

ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>





FAA Approved Facility

8-Way Power Divider/Combiner

P/N: 4.5G0.40-0.46SP-XTX8-2

Other Frequency Bands, LNA, DC/Connector Options are Available

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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P/N: 4.5G0.40-0.46SP-XTX8-2

FREQ. BAND:	LNA GAIN:	Connector:	DIVIDER:	DC OPTION:
X.X-Y.Y; (X.X-Y.Y) GHz	P: PASSIVE	S: SMA; B: BNC; T: TNC	2: 2-WAY	1: J1 to J9 DC ALL BLOCKED
0.40-0.46; (.40-.46) GHz	A: ACTIVE (LNA@ P1 INPUT)	N: N; M: MCX; MM: MMCX	3: 3-WAY	2: J1 to J9 DC ALL ENABLED
1.0-2.0; (1.0-2.0) GHz	A1: 13 dB GAIN	F: F; SB: SMB; SC: SMC	4: 4-WAY	3: J1/J9 DC ENABLE; J2 to J8 DC BLOCKED
2.0-3.0; (2.0-3.0) GHz	A2: 20 dB GAIN		8: 8-WAY	
4.0-6.0; (4.0-6.0) GHz	A3: 33 dB GAIN			
2.0-6.0; (2.0-6.0) GHz				

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(400 - 460) MHz
IMPEDANCE:	50 ohms
INSERTION LOSS (dB):	0.3
ISOLATION (dB):	20
VSWR:	1.5 : 1
AMPLITUDE BALANCE (dB):	± 0.1
PHASE BALANCE (Deg.):	± 1.5
POWER HANDLING:	100 Watt CW

MECHANICAL:

SIZE: 4.500in. [114.30mm] x 3.000in. [76.20mm]
 HEIGHT 1.020in. [25.91mm]
 WEIGHT: 15.4 oz. (437 g)
 FINISH: BASE IRIDITE PER MIL-C-5541F CLASS 3
 MATERIAL: 6061-T6 ALUMINUM ALLOY BASE

CONNECTOR: 9X TNC FEMALE
 (OPTIONAL: SMA, TNC, N, BNC, MCX, MMCX, F)

ENVIRONMENTAL:
 (MIL-STD-202 / MIL-STD-810)

TEMPERATURE: -90 °F TO +257 °F [-67 °C TO +125 °C] (Operational)
 -85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)
 ALTITUDE: 70,000 ft.
 VIBRATION: >30 G's
 LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455 MIL-S-22473, MIL-STD-202, MIL-STD-130C

QTY	DESCRIPTION	PART NO	MATERIAL	FINISH	ITEM NO
4	4-40 SCREW, .75L	91735A113, Item 585-0.75	-	-	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS TO DECIMALS ANGLES ± 1/64 .000 .010 .0002 DIA ± 1'

ANTCOM CORP. TORRANCE, CALIFORNIA
8-WAY POWER DIVIDER

REV: 1
 DATE: 10/29/14
 DRAWN BY: S. HUYNH
 CHECKED BY: P. TRIAN
 APPROVED BY: S. HUYNH

SCALE 1/1 SHEET 1 OF 1



FAA Approved Facility

P/N: 2GXXXAMPXX-XT-XT (0.005-3.0) GHz (3to24)Volts LNA

P/N: 2G0105AMP12-XT-XT, (100-500) MHz, 12dB, NF = 3dB, 12Volts LNA

P/N: 2G0160AMP12-XT-XT, (0.1-6) GHz (P/N: 2G1760AMP12-XS-3S, (0.1-6) GHz), 12 dB, NF = 3dB, 12Volts LNA

P/N: 2G4460AMP12-XT-XT, (4.4-6.0) GHz, 12dB, NF = 3dB, 12Volts LNA, P/N: 2G4460AMP20-XT-XT, (4.4-6.0) GHz, 20dB, NF = 3dB, 12Volts LNA

P/N: 2G07180AMP26-XT-XT, (0.7-18) GHz, 26dB, NF = <6dB, 12Volts LNA, P/N: 2G60180AMP24-XT-XT, (6.0-18) GHz, 24dB, NF = <6.5dB, 5Volts LNA

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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7

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1

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1

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
A	1	For DC Connector Options	July-25-06

SPECIFICATIONS

ELECTRICAL:

P/N:	2GXXXAMPXX-XT-XT	2G4460AMP20-XT-XT	2G0105AMP12-XT-XT	2G0160AMP12-XT-XT	2G07180AMP26-XT-XT	2G60180AMP24-XT-XT
FREQUENCY:	(.100 - 3.0) GHz	(4.0 - 6.0) GHz	(100 - 500)MHz	(0.1 - 6.0)GHz	(0.7 - 18.0) GHz	(6.0 - 18.0) GHz
VSWR:	< 2:1	< 2:1	< 2:1	< 2:1	< 2:1	< 2:1
IMPEDANCE:	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms
LNA GAIN:	33 dB	20 dB	12 dB	26 dB	24 dB	24 dB
LNA NOISE FIGURE:	3 dB	3 dB	3 dB	6 dB	6 dB	6.5 dB
LNA P1dB Out:	+11 dBm	(+8 to +10) dBm	(+5 to +13) dBm	24 dBm	18 dBm	18 dBm
LNA DC POWER:	(+3 to 21) Volts <35mA	+12 Volts <80mA	+12 Volts <50mA	+12 Volts <400mA	+5 Volts <290mA	+5 Volts <290mA
POWER HANDLING:	1 Watt CW					

MECHANICAL:

SIZE: LENGTH=2.00 in.[50.80 mm], WIDTH=2.00 in.[50.80 mm], HEIGHT= <0.61 in.[15.47 mm]

WEIGHT: 4.00 oz. (.113 Kg)

FINISH: IRIDITE PER MIL-C-5441F

MATERIAL: 6061-T6 ALUMINUM ALLOY

CONNECTOR: SMA FEMALE (OPTIONAL: MCX, MMCX, SMA-M, TNC, TNC-M, OR N)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C] (Operational)
-85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)

ALTITUDE: 70,000 ft.

VIBRATION: >30 G's

LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

P/N: 2G1215AMP33-XT-2T

CABLE'S LENGTH:	INPUT/ OUTPUT CONNECTOR	Ext. DC CONNECTOR
X: NO CABLE	S: SMA, SM: SMA-M	S: SMA, SM: SMA-M
M: WITH MAG. MOUNT	M: MCX, MM: MMCX	M: MCX, MM: MMCX
#: CABLE LENGTH (IN)	T: TNC, TM: TNC-M	T: TNC, TM: TNC-M; N: N
R: RIGHT ANGLE CON.	IN: N	NO CON. FOR DC OPTION 1 AND 2

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1						1

UNLESS OTHERWISE SPECIFIED	ORIGINAL DRAWN	DATE
DIMENSIONS ARE IN INCHES	S. HUYNH	Oct-02-02
TOLERANCES ARE	S. HUYNH	Oct-02-02
FRACTIONS DECIMALS ANGLES	S. HUYNH	June-12-13
± 1/64 .005 .005 ± 1°	S. HUYNH	June-12-13
TOLERANCE SURF PER ANSI Y14.5	P. TRAN	June-12-13
REMOVE ALL BURRS	S. HUYNH	June-12-13
BREAK OFF ALL EDGES .005 TO .015	S. HUYNH	June-12-13
FILE TO .005 TO .010	S. HUYNH	June-12-13
USE H. HURETS FOR H.C. #8879	S. HUYNH	June-12-13
DATE ON A COMMON Q. 25.000	S. HUYNH	June-12-13
MACHINED SURFACES	S. HUYNH	June-12-13
DO NOT SCALE DRAWING	S. HUYNH	June-12-13

ANTCOM CORP. TORRANCE CALIFORNIA

OUTLINE DRAWING

(0.005-3) GHz, UHF, GPS, S, C, Ku-BAND AMPLIFIER

REV: 1.0 DATE: 06/12/13

DRAWN: S. HUYNH

CHECKED: P. TRAN

APPROVED: S. HUYNH

SCALE: 1/1 SHEET 1 OF 1



FAA Approved Facility

L1L2 GPS Filter

with DC Pass Thru from Output to Input and with Better Insertion Loss

P/N: 2G1215F-XS-X

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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SPECIFICATIONS

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
-	-	-	-	-

ELECTRICAL:

P/N:	2G1215F-XS-X
FREQUENCY:	(1.227±.015 - 1.575±.015) GHz
VSWR:	1.5:1
IMPEDANCE:	50 ohms
INSERTION LOSS:	
1.227 GHz:	<1.6 dB
1.575 GHz:	<1.9 dB
REJECTION:	
1.227±.075 GHz:	-16 dB
1.227±.100 GHz:	-20 dB
1.575±.075 GHz:	-12 dB
1.575±.100 GHz:	-16 dB
DC POWER (Pass Thru):	(DC to 30) Volts/ (0-250) mA
POWER HANDLING:	1Watt CW (+30dBm)

MECHANICAL:

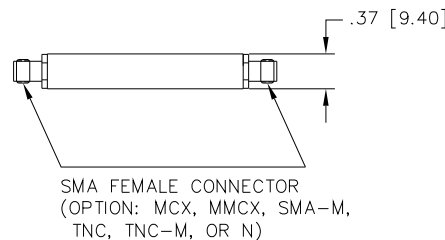
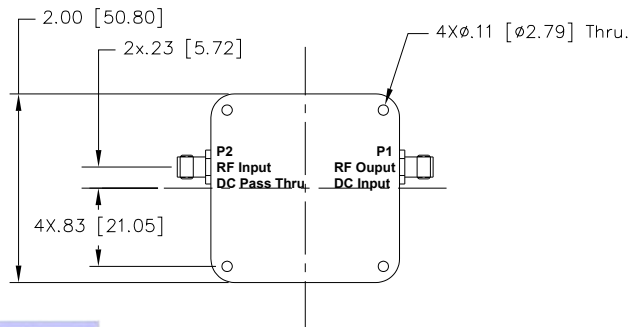
SIZE:	LENGTH=2.00 in.[50.80 mm], WIDTH=2.00 in.[50.80 mm], HEIGHT= <0.61 in.[15.47 mm]
WEIGHT:	4.00 oz. (.113 Kg)
FINISH:	IRIDITE PER MIL-C-5441F
MATERIAL:	6061-T6 ALUMINUM ALLOY
CONNECTOR:	SMA FEMALE (OPTION: MCX, MMCX, SMA-M, TNC, TNC-M, OR N)

ENVIRONMENTAL:

TEMPERATURE:	-67 °F TO +185 °F [-55 °C TO +85 °C] (Operational) -85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)
ALTITUDE:	70,000 ft.
VIBRATION:	>30 G's
LEAKAGE:	HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455



CABLE'S LENGTH:	INPUT/ OUPUT CONNECTOR	Ext. DC CONNECTOR
X: NO CABLE	S: SMA, SM: SMA-M,	S: SMA, SM: SMA-M,
M: WITH MAG. MOUNT	M: MCX, MM: MMCX	M: MCX, MM: MMCX
#: CABLE LENGTH (IN)	T: TNC, TM: TNC-M	T: TNC, TM: TNC-M, N: N
R: RIGHT ANGLE CON.	N: N	

P/N: 2G1215F-XS-X

FREQ. BAND:
0105: (100 to 500) MHz
0160: (0.1-6.0) GHz
4460: (4.4-6.0) GHz
1030: (1 to 3) GHz
07180: (0.7 to 18) GHz
60180: (6 to 18) GHz
1215: L1/L2
2425: 2.4-2.5

DC OPTION:
1: DC BIAS FROM RF OUTPUT PORT P1
2: EXTERNAL DC INPUT

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1		-	-	-	-	1
QUANTITY READ PARTS LIST						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES TOLERANCES DEC						
± 1/64 .xxx .005 ± .1°						
TOLERANCE SW PER ANSI Y14.5 REMOVE ALL BURRS BREAK SHARP EDGES .005 TO .015 FILED & .000 TO F.000 SIZE W/ PARALLEL PER MIL-S-8879 DITS ON A COMMON & .05 .005 MACHINED SURFACES .25						
DO NOT SCALE DRAWING						
ORIGINALLY DRAWN	S. HUYNH	Oct-02-02	ANTCOM CORP. TORRANCE CALIFORNIA			
ORIGINALLY DESIGNED	S. HUYNH	Oct-02-02	L1L2 GPS FILTER			
UPDATED	S. HUYNH	Sept-30-13				
UPDATE DRAWN	P. TRAN	Sept-30-13				
APPROVED	S. HUYNH	Sept-30-13				
JOB CODE NO		DRAWING NO		SCALE		SHEET
D13CVE1		2G1215F-XS-X		1/1		1 OF 1



FAA Approved Facility

2-Way Power Divider/Combiner for Multiple Channels,
 P/N: 2G1215S-XS2-2 (for SMA female Connectors, without Cables)
 P/N: 2G1215S-XT2-2-cable (with TNC-Female Adapter Cables),
 P/N: 2G1215S-XN2-2-cable (with N-Female Adapter Cables)

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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SPECIFICATIONS

ELECTRICAL:

	(0.250-0.500) GHz	(0.5-1.0) GHz	(1.0-3.0) GHz
FREQUENCY:			
VSWR:	< (2.0-3.5):1	< 2.0:1	< 1.5:1
IMPEDANCE:	50 ohms	50 ohms	50 ohms
INSERTION LOSS (dB):	(0.3 to 0.8)	0.4	0.3
AMPLITUDE BALANCE (dB):	+/-0.2	+/-0.2	+/-0.2
PHASE BALANCE (Deg.):	+/-1.0	+/-1.0	+/-1.0
POWER HANDLING:	100 Watt CW		

MECHANICAL:

SIZE: LENGTH=1.00 in. [25.40 mm], WIDTH=1.70 in. [43.18 mm]
 HEIGHT 0.40 in. [10.16 mm]
 WEIGHT: < 3.00 oz. (85.0 g)
 FINISH: BASE IRIDITE PER MIL-C-5441

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
 UV, ABRASION, AND SKYDROL RESISTANCE

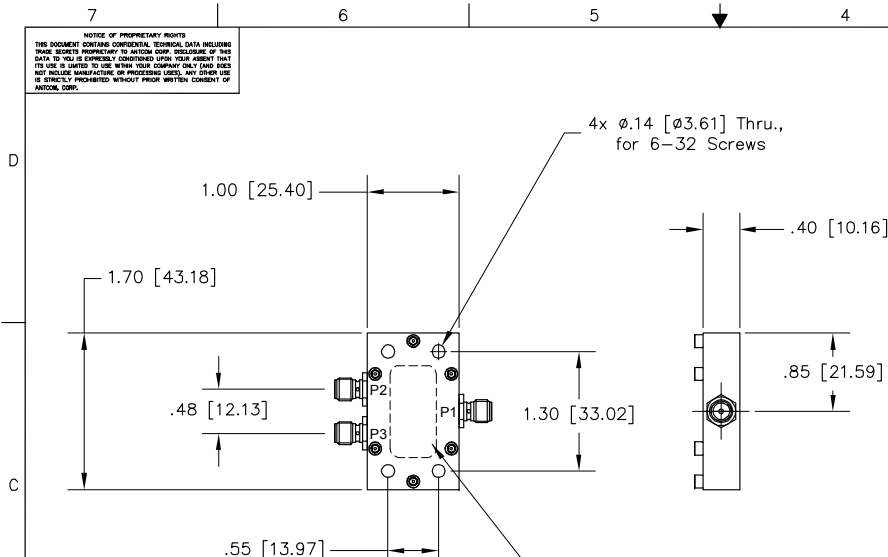
CONNECTOR: SMA FEMALE
 (OPTIONAL: TNC, OR N)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C] (Operational)
 -85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)
 ALTITUDE: 70,000 ft.
 VIBRATION: >30 G's
 LEAKAGE: HERMETICALLY SEALED

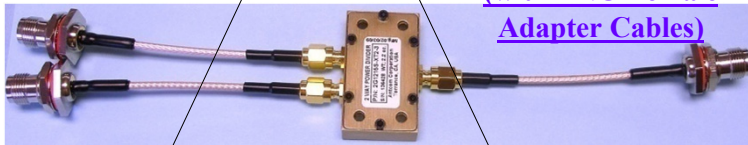
FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541,
 MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455



NAMEPLATE APPROXIMATE LOCATION

P/N: 2G1215S-XT2-2-cable
 (with TNC-Female Adapter Cables)



SMA FEMALE CONNECTORS (TNC, N, OR CABLE IS OPTIONAL)
 DC ENABLE/DISABLE IS OPTIONAL

SMA FEMALE CONNECTOR (TNC, N, OR CABLE IS OPTIONAL)
 DC ENABLE/DISABLE IS OPTIONAL

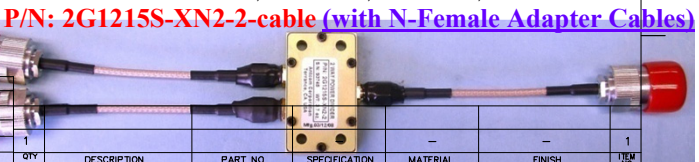


FREQ. BAND:	LNA GAIN:	DC OPTION:
1215: (0.3-3) GHz	13: 13 dB GAIN 20: 20 dB GAIN 33: 33 dB GAIN	1: P1, P2, P3 DC ALL DISABLE 2: P1, P2, P3 DC ALL ENABLE 3: P1, P2 DC ENABLE; P3 DC DISABLE

P/N: 2G1215S-XS2-2

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
 NOTES: UNLESS OTHERWISE SPECIFIED:

CABLE'S LENGTH:	CONNECTOR:
X: NO CABLE	T: TNC (Optional Bulkhead)
M: WITH MAG. MOUNT	S: SMA
#: CABLE LENGTH (IN)	N: N (Optional Bulkhead)
R: RIGHT ANGLE CON.	M: MCX



P/N: 2G1215S-XN2-2-cable (with N-Female Adapter Cables)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 FRACTIONS DECIMALS ANGLES
 ± 1/64 ± .015 ± 1°
 DECIMALS ANGLES
 ± .0001 ± .010

TOLERANCE STIM PER ANSI Y14.5
 REPROF. ALL SURFACES PER MIL-STD-883C-2006 TO .016
 FILLING TO .001 IN. DIA.
 SCREW THREADS PER MIL-STD-883C-2006
 DAYS ON A CONFORM 2, 25, 100
 MACHINED SURFACES

DO NOT SCALE DRAWING

QUANTITY READ

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1						1

PARTS LIST

ANTCOM CORP. TORRANCE CALIFORNIA
 2-WAY, IN PHASE
 with DC ENABLE/DISABLE
 POWER DIVIDER/COMBINER

DRW: S. HUYNH
 APPR: S. HUYNH
 DATE: Feb-09-04
 CAD FILE NO: D:\3CVE1
 SCALE 1/1

SHEET 1 OF 1

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SPECIFICATIONS

REVISIONS		DATE	APPROVED
ZONE	REV	DESCRIPTION	

ELECTRICAL:

FREQUENCY:	(0.200-0.500) GHz	(0.5-1.0) GHz	(1.0-3.0) GHz	(3.0-5.9) GHz
VSWR:	< (2.0-3.5):1	< 2.0:1	< 1.5:1	< 2.0:1
IMPEDANCE:	50 ohms	50 ohms	50 ohms	50 ohms
INSERTION LOSS (dB):	(0.3 to 0.8)	0.4	0.3	1.5
AMPLITUDE BALANCE (dB):	+/-0.2	+/-0.2	+/-0.3	+/-1
PHASE BALANCE (Deg.):	+/-1.0	+/-2.0	+/-5.0	+/-5.0
POWER HANDLING:	100 Watt CW			

MECHANICAL:

SIZE: LENGTH=2.047in.[52mm], WIDTH=1in. [25.4mm]
HEIGHT 0.825in. [20.96mm]

WEIGHT: < 3 oz. (85.0 g)

FINISH: BASE IRIDITE PER MIL-C-5541

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
UV, ABRASION, AND SKYDROL RESISTANCE

CONNECTOR: TNC FEMALE
(OPTIONAL: SMA, TNC, N, BNC, MCX, MMCX, F)

ENVIRONMENTAL:

TEMPERATURE: -90 °F TO +257 °F [-67 °C TO +125 °C] (Operational)
-85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)

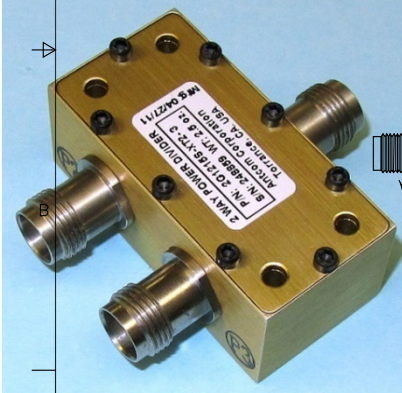
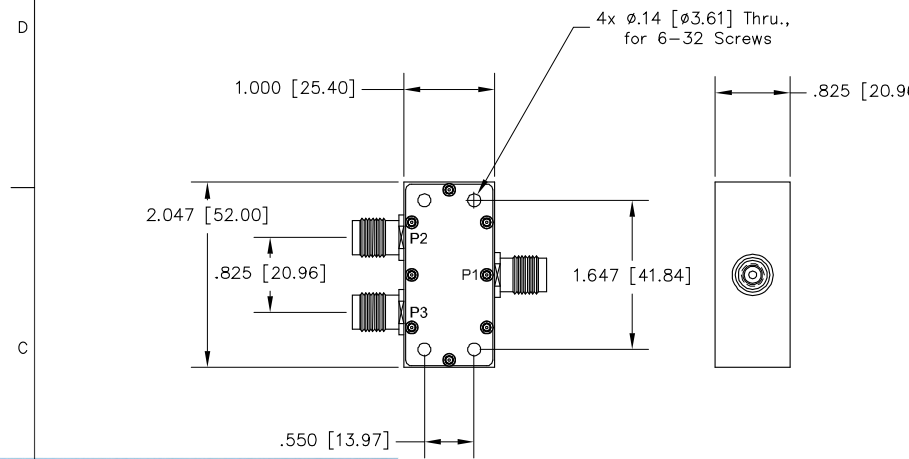
ALTITUDE: 70,000 ft.

VIBRATION: >30 G's

LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455



TNC FEMALE CONNECTORS
OPTION: SMA, BNC, N, MCX, MMCX
DC ENABLE/DISABLE IS OPTIONAL

FREQ. BAND:	LNA GAIN:	DC OPTION:
1215: (0.2-5) GHz	13: 13 dB GAIN 20: 20 dB GAIN 33: 33 dB GAIN	1: P1/P2/P3 DC ALL BLOCKED 2: P1/P2/P3 DC ALL ENABLED 3: P1/P2 DC ENABLE; P3 DC BLOCKED 4: P1 DC ENABLE; P2/P3 DC BLOCKED 5: P1 DC BLOCKED; P2/P3 DC ENABLED

P/N: 2G1215S-XT2-4

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
NOTES: UNLESS OTHERWISE SPECIFIED:

CABLE LENGTH:	P1/P2/P3 Female Connector:	DC Bias Female Connector:
X: NO CABLE	S: SMA; B: BNC; T: TNC	S: SMA; B: BNC; T: TNC
M: WITH MAG. MOUNT	N: N; M: MCX; MM: MMCX	N: N; M: MCX; MM: MMCX
R: CABLE LENGTH (IN)	F: F; SB: SMB; SC: SMC	F: F; SB: SMB; SC: SMC

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1						1

UNLESS OTHERWISE SPECIFIED		TOLERANCE CALCS PER MIL-STD-1916	
FRACCTIONS	DECIMALS	ANGLES	± 1°
± 1/64	± .015	± 30.0	± 0.10

DATE	BY	CHKD	APP'D	REV
MAY-03-11	S. HUNTER			1

ANTCOM CORP.	TORRANCE, CALIFORNIA
2, 4-WAY, IN PHASE with DC INPUT POWER DIVIDER/COMBINER	
DRAWN: D 3CVE1	REV: 1
SCALE: 1/1	SHEET 1 OF 1



FAA Approved Facility

2-Way Power Divider/Combiner

P/N: 2G1215S-XT2-3-XdB (X dB Attenuated @ Port 2)

Port 1 & 2 DC Enable, Port 3 DC Disable. Other Options are Available

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>

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TNC FEMALE CONNECTORS
OPTION: SMA, BNC, N, MCX, MMCX
DC ENABLE/DISABLE ARE OPTIONAL

SPECIFICATIONS

ELECTRICAL:

	(0.200-0.500) GHz	(0.5-1.0) GHz	(1.0-3.0) GHz	(3.0-5.9) GHz
FREQUENCY:				
VSWR:	< (2.0-3.5):1	< 2.0:1	< 1.5:1	< 2.0:1
IMPEDANCE:	50 ohms	50 ohms	50 ohms	50 ohms
INSERTION LOSS (dB):	(0.3 to 0.8)	0.4	0.3	1.5
AMPLITUDE BALANCE (dB):	+/-0.2	+/-0.2	+/-0.3	+/-1
PHASE BALANCE (Deg.):	+/-1.0	+/-2.0	+/-5.0	+/-5.0
POWER HANDLING:	100 Watt CW			

MECHANICAL:

SIZE: LENGTH=2.047in. [52mm], WIDTH=1in. [25.4mm]
HEIGHT 0.825in. [20.96mm]

WEIGHT: < 3 oz. (85.0 g)

FINISH: BASE IRIDITE PER MIL-C-5541

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
UV, ABRASION, AND SKYDROL RESISTANCE

CONNECTOR: TNC FEMALE
(OPTIONAL: SMA, TNC, N, BNC, MCX, MMCX, F)

ENVIRONMENTAL:

TEMPERATURE: -90 °F TO +257 °F [-67 °C TO +125 °C] (Operational)
-85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)

ALTITUDE: 70,000 ft.

VIBRATION: >30 G's

LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

FREQ. BAND:	LNA GAIN:	DC OPTION:
1215: (0.2-5) GHz	13: 13 dB GAIN 20: 20 dB GAIN 33: 33 dB GAIN	1: P1/P2/P3 DC ALL BLOCKED 2: P1/P2/P3 DC ALL ENABLED 3: P1/P2 DC ENABLE; P3 DC BLOCKED 4: P1 DC ENABLE; P2/P3 DC BLOCKED 5: P1 DC BLOCKED; P2/P3 DC ENABLED
		X: XdB Xdb Attenuated @ Port 2

P/N: 2G1215S-XT2-3-XdB

CABLE'S LENGTH:	P1/P2/P3 Female Connector:	DC Bias Female Connector:	
X: NO CABLE	S: SMA; B: BNC; T: TNC	S: SMA; B: BNC; T: TNC	2: 2-WAY
M: WITH MAG. MOUNT	N: N; M: MCX; MM: MMCX	N: N; M: MCX; MM: MMCX	4: 4-WAY
#: CABLE LENGTH (IN)	F: F; SB: SMB; SC: SMC	F: F; SB: SMB; SC: SMC	8: 8-WAY
R: RIGHT ANGLE CON.			

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
NOTES: UNLESS OTHERWISE SPECIFIED:

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
NOTES: UNLESS OTHERWISE SPECIFIED:

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	TEST NO
1						1

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
FRACTIONS DECIMALS ANGLES
± 1/64 ± .015 ± 1°

ORIGINAL DRAWN	S. HUYNH MAY-03-11
ORIGINAL DESIGNED	S. HUYNH MAY-03-11
UPDATED	S. HUYNH Mar-17-14
UPDATE DRAWN	P. TRAN Mar-17-14
APPROVED	S. HUYNH Mar-17-14

ANTCOM CORP. TORRANCE, CALIFORNIA

2, 4-WAY, IN PHASE
with DC INPUT
POWER DIVIDER/COMBINER

REV. 1/1
D13CVE1 2G1215S-XT2-3-XdB
SCALE 1/1 SHEET 1 OF 1



FAA Approved Facility

(1 – 6 GHz) 2-Way Power Divider/Combiner

P/N: 2G1760S-XS2-1 (SMA Connector), 2G1760S-XT2-1 (TNC Connector), 2G1760S-XN2-1 (N Connector)

Other Connector Also Available

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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REVISIONS			
ZONE	REV	DESCRIPTION	DATE
A		FOR N CONNECTOR	10/08/13
			S.H.

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(1.0 - 6.0) GHz
VSWR:	< 1.5:1
IMPEDANCE:	50 ohms
ISOLATION (dB):	24
INSERTION LOSS (dB):	0.4
AMPLITUDE BALANCE (dB):	0.3
PHASE BALANCE (Deg.):	4.0 Max
POWER HANDLING:	100 Watt CW

MECHANICAL:

SIZE: LENGTH=1.80 in.[45.72 mm], WIDTH=1.75 in. [38.10 mm]
HEIGHT 0.66 in. [22.23 mm]

WEIGHT: 2.24 oz. (63.5 g)

FINISH: BASE IRIDITE PER MIL-C-5441F

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
UV, ABRASION, AND SKYDROL RESISTANCE

CONNECTOR: SMA FEMALE
(OPTIONAL: TNC, OR N)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C] (Operational)
-85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)

ALTITUDE: 70,000 ft.

VIBRATION: >30 G's

LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

SMA FEMALE CONNECTOR (TNC, N, OR CABLE IS OPTIONAL)
DC ENABLE/DISABLE IS OPTIONAL

FREQ. BAND:	LNA GAIN:	DC OPTION:
1215 (0.3-3) GHz	13: 13 dB GAIN	1: P1, P2, P3 DC ALL DISABLE
1760 (1-6) GHz	20: 20 dB GAIN	2: P1, P2, P3 DC ALL ENABLE
	33: 33 dB GAIN	3: P1, P2 DC ENABLE; P3 DC DISABLE

CABLE'S LENGTH:	CONNECTOR:
X: NO CABLE	T: TNC (Optional Bulkhead)
M: WITH MAG. MOUNT	S: SMA
#: CABLE LENGTH (IN)	N: N (Optional Bulkhead)
R: RIGHT ANGLE CON.	M: MCX

2: 2-WAY
4: 4-WAY
8: 8-WAY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

FRACTIONS	DECIMALS	TOLERANCES ARE	ANGLES
± 1/64	.005	± .01	± 1°
xxx.010	.010		

TOLERANCE .5W PER ANSI Y14.5
REMOVE ALL BURRS
BREAK EXTERNAL EDGES .000 TO .010
FILLET R .005 TO R .020
COPER THREADS PER MIL-S-8879
DIA'S ON A COMMON C/2/000
MACHINED SURFACES
DO NOT SCALE DRAWING

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1						1

ORIGINALLY DRAWN	ORIGINALLY DESIGNED	UPDATED	UPDATE DRAWN	APPROVED
S. HUYNH Feb-09-04	S. HUYNH Feb-09-04	S. HUYNH June-07-13	M. DIEP Oct-15-13	S. HUYNH Oct-08-13

ANTCOM CORP. TORRANCE CALIFORNIA

2-WAY, IN PHASE with DC ENABLE/DISABLE POWER DIVIDER/COMBINER

DRW NO: D 3CVE1 P/N: 2G1760S-XS2-1 SHEET 1 OF 1

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
NOTES: UNLESS OTHERWISE SPECIFIED:

P/N: 2G1760S-XS2-1



FAA Approved Facility

(7.0-9.0 GHz) 2-Way Power Divider/Combiner

P/N: 1G7090S-XS2-X

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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SPECIFICATIONS

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL:

FREQUENCY:	(7.0-9.0) GHz
VSWR:	< 1.2:1
IMPEDANCE:	50 ohms
ISOLATION (dB):	20
INSERTION LOSS (dB):	0.5
AMPLITUDE BALANCE (dB):	.25
PHASE BALANCE (Deg.):	6
POWER HANDLING:	100 Watt CW

MECHANICAL:

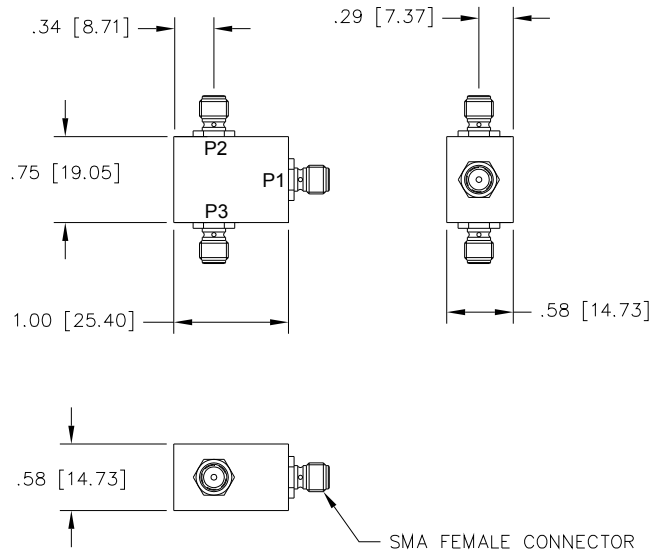
SIZE:	LENGTH=1.00 in. [25.40 mm], WIDTH=0.75 in. [19.05 mm] HEIGHT 0.58 in. [14.73 mm]
WEIGHT:	0.77 oz. (22 g)
FINISH:	BASE IRIDITE PER MIL-C-5441F
MATERIAL:	6061-T6 ALUMINUM ALLOY BASE UV, ABRASION, AND SKYDROL RESISTANCE
CONNECTOR:	SMA FEMALE

ENVIRONMENTAL:

TEMPERATURE:	-67 °F TO +212 °F [-55 °C TO +100 °C] (Operational)
ALTITUDE:	-67 °F TO +212 °F [-55 °C TO +100 °C] (Operational)
VIBRATION:	70,000 ft.
LEAKAGE:	>30 G's HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455



FREQ. BAND:	LNA GAIN:	DC OPTION:
1215: (0.3-3) GHz	13: 13 dB GAIN	1: P1/P2/P3 DC ALL BLOCKED
7090: (7.0-9.0) GHz	20: 20 dB GAIN	2: P1/P2/P3 DC ALL ENABLED
	33: 33 dB GAIN	3: P1/P2 DC ENABLE; P3 DC BLOCKED
		4: P1 DC ENABLE; P2/P3 DC BLOCKED
		5: P1 DC BLOCKED; P2/P3 DC ENABLED

P/N: 1G7090S-XS2-X

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
NOTES: UNLESS OTHERWISE SPECIFIED:

CABLE'S LENGTH:	CONNECTOR:
X: NO CABLE	S: SMA
M: WITH MAG. MOUNT	2: 2-WAY
R: CABLE LENGTH (IN)	4: 4-WAY
R: RIGHT ANGLE CON.	8: 8-WAY

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1						1

UNLESS OTHERWISE SPECIFIED		DIMENSIONS ARE IN INCHES	
FRACTIONS	DECIMALS	ANGLES	
± 1/64	± .010	± 1°	
TOLERANCE SURF PER ANSI Y14.5		BREAK EXTERNAL EDGES .005 TO .015	
FILL IN .005 TO .010		SCREW THREADS PER MIL-S-8879	
DIMS ON A COMMON & 25° ANG		MACHINED SURFACES 125	
DO NOT SCALE DRAWING			

ORIGINALLY DRAWN	S. HUYNH	DATE	FEB-09-04
ORIGINALLY DESIGNED <td>S. HUYNH <td>DATE <td>FEB-09-04</td> </td></td>	S. HUYNH <td>DATE <td>FEB-09-04</td> </td>	DATE <td>FEB-09-04</td>	FEB-09-04
UPDATED <td>S. HUYNH <td>DATE <td>JUNE-17-13</td> </td></td>	S. HUYNH <td>DATE <td>JUNE-17-13</td> </td>	DATE <td>JUNE-17-13</td>	JUNE-17-13
UPDATE DRAWN <td>P. TRAN <td>DATE <td>JUNE-17-13</td> </td></td>	P. TRAN <td>DATE <td>JUNE-17-13</td> </td>	DATE <td>JUNE-17-13</td>	JUNE-17-13
APPROVED <td>S. HUYNH <td>DATE <td>JUNE-17-13</td> </td></td>	S. HUYNH <td>DATE <td>JUNE-17-13</td> </td>	DATE <td>JUNE-17-13</td>	JUNE-17-13

ANTCOM CORP. TORRANCE, CALIFORNIA	
2-WAY, IN PHASE POWER DIVIDER/COMBINER	
SKU: 3CVE1	1G7090S-XS2-X
SCALE 1/1	SHEET 1 OF 1



FAA Approved Facility

2-Way Power Divider/Combiner with DC Input for Multiple Channels, P/N: 2G1215S-XTS2-X (Old Part Number) P/N: 2G1215S-XTS2-X-EDC Rev B (New Part Number as of Aug-22-13)

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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SPECIFICATIONS

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
B		ADDED EDC TO P/N	08/22/13	S.H.

ELECTRICAL:

FREQUENCY:	(0.200-0.500) GHz	(0.5-1.0) GHz	(1.0-3.0) GHz	(3.0-5.9) GHz
VSWR:	< (2.0-3.5):1	< 2.0:1	< 1.5:1	< 2.0:1
IMPEDANCE:	50 ohms	50 ohms	50 ohms	50 ohms
INSERTION LOSS (dB):	(0.3 to 0.8)	0.4	0.3	1.5
AMPLITUDE BALANCE (dB):	+/-0.2	+/-0.2	+/-0.3	+/-1
PHASE BALANCE (Deg.):	+/-1.0	+/-2.0	+/-5.0	+/-5.0
POWER HANDLING:	100 Watt CW			

MECHANICAL:

SIZE: LENGTH=2.047in. [52mm], WIDTH=1in. [25.4mm]
HEIGHT 0.825in. [20.96mm]

WEIGHT: < 3 oz. (85.0 g)

FINISH: BASE IRIDITE PER MIL-C-5541

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
UV, ABRASION, AND SKYDROL RESISTANCE

CONNECTOR: TNC FEMALE
(OPTIONAL: SMA, TNC, N, BNC, MCX, MMCX, F)

ENVIRONMENTAL:

TEMPERATURE: -90 °F TO +257 °F [-67 °C TO +125 °C] (Operational)
-85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)

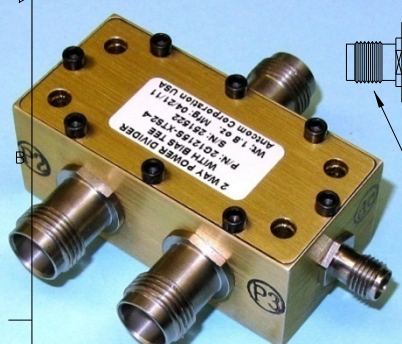
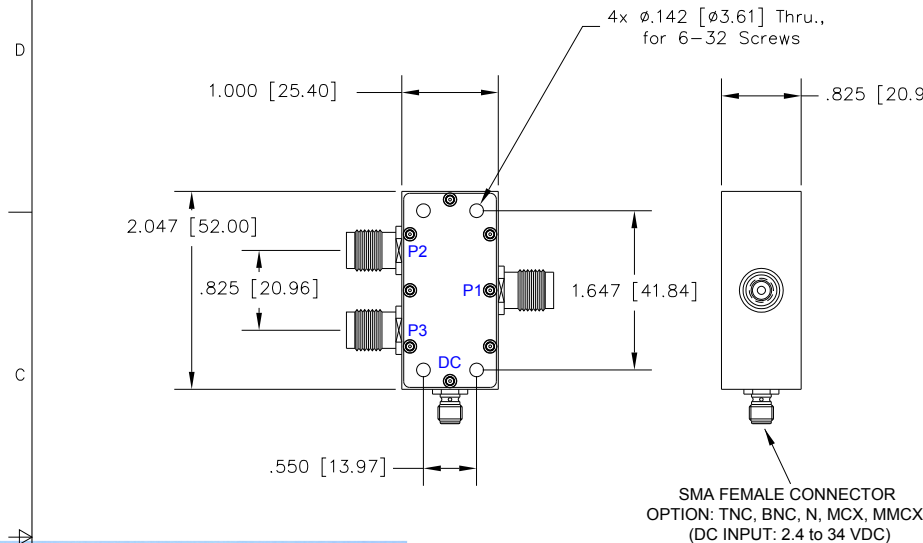
ALTITUDE: 70,000 ft.

VIBRATION: >30 G's

LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541,
MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455



TNC FEMALE CONNECTORS
OPTION: SMA, BNC, N, MCX, MMCX
DC ENABLE/DISABLE IS OPTIONAL

FREQ. BAND:	LNA GAIN:	DC OPTION:
1215: (0.2-5) GHz	13: 13 dB GAIN	1: P1/P2/P3 DC ALL BLOCKED
	20: 20 dB GAIN	2: P1/P2/P3 DC ALL ENABLED
	33: 33 dB GAIN	3: P1/P2 DC ENABLE; P3 DC BLOCKED
		4: P1 DC ENABLE; P2/P3 DC BLOCKED
		5: P1 DC BLOCKED; P2/P3 DC ENABLED

P/N: 2G1215S-XTS2-4-EDC

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
NOTES: UNLESS OTHERWISE SPECIFIED:

CABLE'S LENGTH:	P1/P2/P3 Female Connector:	DC Bias Female Connector:
X: NO CABLE	S: SMA; B: BNC; T: TNC	S: SMA; B: BNC; T: TNC
M: WITH MAG. MOUNT	N: N; M: MCX; MM: MMCX	N: N; M: MCX; MM: MMCX
#: CABLE LENGTH (IN)	F: F; SB: SMB; SC: SMC	F: F; SB: SMB; SC: SMC
R: RIGHT ANGLE CON.		

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1						1

UNLESS OTHERWISE SPECIFIED		PARTS LIST	
DIMENSIONS ARE IN INCHES	ANGLES	ORIGINALLY DESIGNED	S. HUYNH
FRACTIONS DECIMALS	TOLERANCES	ORIGINALLY DESIGNED	S. HUYNH
± 1/64	± .010	UPDATED	S. HUYNH
TOLERANCE SURF PER ANSI Y14.6	REMOVE ALL BURRS	UPDATE DRAWN	P. TRAN
FILED & DIMS TO BE DIM	DEBurr TO SPALL EDGES .005 TO .015	APPROVED	S. HUYNH
SCREEN DRILLINGS PER MIL-S-8879	DIMS ON A COMMON & ZPP.005	SCALE	1/1
MACHINED SURFACES			
DO NOT SCALE DRAWING			

ANTCOM CORP. TORRANCE CALIFORNIA
2, 4-WAY, IN PHASE
with DC INPUT
POWER DIVIDER/COMBINER
PART CODE: D13CVE1
DRAWING: 2G1215S-XTS2-4-EDC
SHEET 1 OF 1



FAA Approved Facility

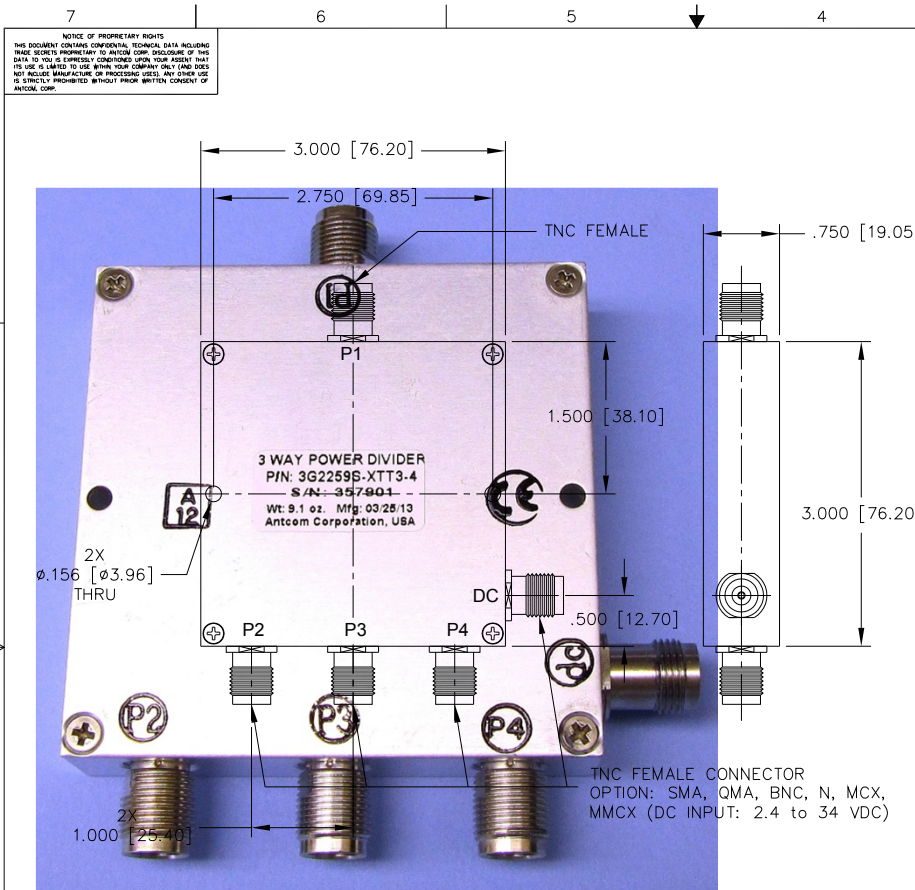
3-Way Power Divider/Combiner with Separate DC Input to External or Internal LNA
P/N: 3G0.5-6.0SP-XTT3-4 (Passive, TNC), P/N: 3G0.5-6.0SA1-XTT3-4 (Active, TNC)

Other Connectors are Available



Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

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SPECIFICATIONS

ELECTRICAL:

	(0.5 - 2.0) GHz	(2.0 - 6.0) GHz
FREQUENCY:	(0.5 - 2.0) GHz	(2.0 - 6.0) GHz
VSWR:	1.5:1	2.0:1
IMPEDANCE:	50 ohms	50 ohms
INSERTION LOSS (dB):	<0.9	2
AMPLITUDE BALANCE (dB):	0.5	1
PHASE BALANCE (Deg.):	3	9
POWER HANDLING:	40 Watt CW	40 Watt CW

MECHANICAL:

SIZE: 3.00in.[76.2mm] SQ.
 HEIGHT 0.75in.[19.05mm]
 WEIGHT: 8.96oz. (254 g)
 FINISH: BASE IRIDITE PER MIL-C-5541F
 MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
 UV, ABRASION, AND SKYDROL RESISTANCE
 CONNECTOR: TNC FEMALE
 (OPTIONAL: SMA, TNC, N, BNC, MCX, MMCX, F)

ENVIRONMENTAL:

TEMPERATURE: -90 °F TO +257 °F [-67 °C TO +125 °C] (Operational)
 -85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)
 ALTITUDE: 70,000 ft.
 VIBRATION: >30 G's
 LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

FREQ. BAND:	LNA GAIN:	DC OPTION:
0.5-6.0: (0.5-6.0) GHz	A: ACTIVE (LNA@ P1 INPUT)	1: P1/P2/P3/P4 DC ALL BLOCKED
1.0-2.0: (1.0-2.0) GHz	A1: 13 dB GAIN	2: P1/P2/P3/P4 DC ALL ENABLED
2.0-3.0: (2.0-3.0) GHz	A2: 20 dB GAIN	3: P1/P2/P3 DC ENABLE; P4 DC BLOCKED
4.0-6.0: (4.0-6.0) GHz	A3: 33 dB GAIN	4: P1 DC ENABLE; P2/P3/4 DC BLOCKED
2.0-6.0: (2.0-6.0) GHz	P: PASSIVE	5: P1 DC BLOCKED; P2/P3/P4 DC ENABLED
X.X-Y.Y: (X.X-Y.Y) GHz		

P/N: 3G0.5-6.0SP-XTT3-4

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
 NOTES: UNLESS OTHERWISE SPECIFIED:

CABLE LENGTH:	P1/P2/P3/P4 Female Connector:	DC Bias Female Connector:
X: NO CABLE	S: SMA, T: TNC	S: SMA, B: BNC, T: TNC
M: WITH MAG. MOUNT	Q: QMA, B: BNC	N: N, M: MCX, MM: MMCX
R: CABLE LENGTH (IN)	N: N, M: MCX, MM: MMCX	F: F, SB: SMB, SC: SMC
R: RIGHT ANGLE CON.	F: F, SB: SMB, SC: SMC	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS: DECIMALS: ANGLES ± 1/64 ± .015 ± 1° ± .002 ± .010	ORIGINAL DRAWN: S. HUYNH May-03-11 ORIGINAL DESIGNED: S. HUYNH May-03-11 UPDATED: S. HUYNH Feb-22-13 UPDATE DRAWN: P. TRAM Feb-22-13 APPROVED: S. HUYNH Feb-22-13	ANTCOM CORP. TORRANCE, CALIFORNIA 3-WAY, IN PHASE with DC INPUT POWER DIVIDER/COMBINER SCALE 1/1
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FAA Approved Facility

3-Way Power Divider/Combiner

P/N: 3G0.5-6.0SP-XT3-X

Other Connectors are Available

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

SPECIFICATIONS

ELECTRICAL:

	(0.5 - 2.0) GHz	(2.0 - 6.0) GHz
FREQUENCY:	(0.5 - 2.0) GHz	(2.0 - 6.0) GHz
VSWR:	1.5:1	2.0:1
IMPEDANCE:	50 ohms	50 ohms
INSERTION LOSS (dB):	<0.9	2
AMPLITUDE BALANCE (dB):	0.5	1
PHASE BALANCE (Deg.):	3	9
POWER HANDLING:	40 Watt CW	40 Watt CW

MECHANICAL:

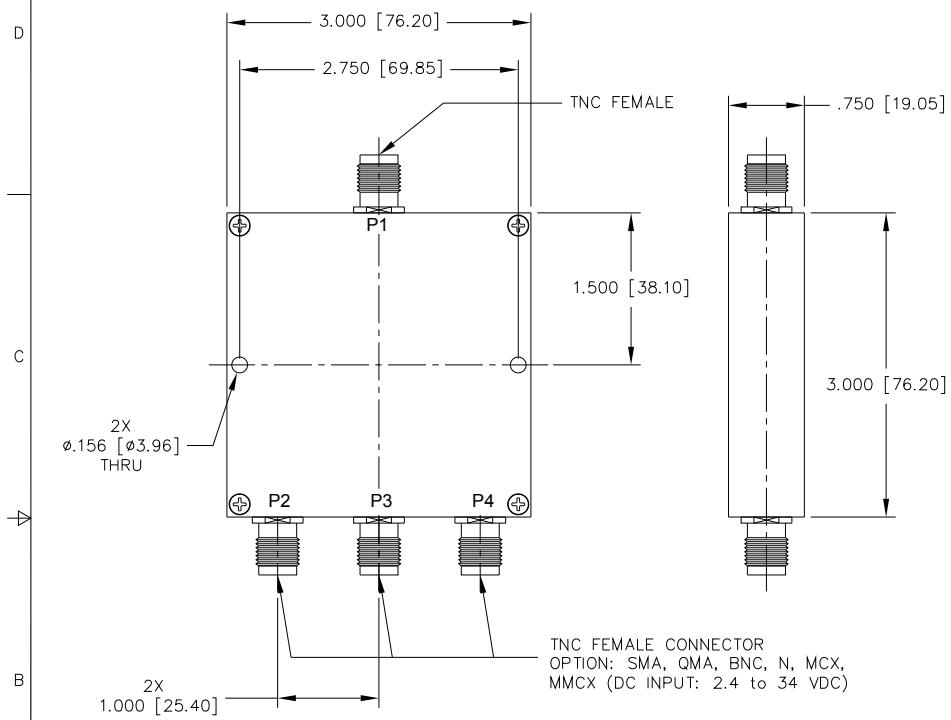
SIZE: 3.00in.[76.2mm] SQ.
HEIGHT 0.75in.[19.05mm]
WEIGHT: 8.96oz. (254 g)
FINISH: BASE IRIDITE PER MIL-C-5541F
MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
UV, ABRASION, AND SKYDROL RESISTANCE
CONNECTOR: TNC FEMALE
(OPTIONAL: SMA, TNC, N, BNC, MCX, MMCX, F)

ENVIRONMENTAL:

TEMPERATURE: -90 °F TO +257 °F [-67 °C TO +125 °C] (Operational)
-85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)
ALTITUDE: 70,000 ft.
VIBRATION: >30 G's
LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455



TNC FEMALE CONNECTOR
OPTION: SMA, QMA, BNC, N, MCX, MMCX (DC INPUT: 2.4 to 34 VDC)

FREQ. BAND:	LNA GAIN:	DC OPTION:
0.5-6.0 (0.5-6.0) GHz	A: ACTIVE (LNA@ P1 INPUT)	1: P1/P2/P3/P4 DC ALL BLOCKED
1.0-2.0 (1.0-2.0) GHz	A1: 13 dB GAIN	2: P1/P2/P3/P4 DC ALL ENABLED
2.0-3.0 (2.0-3.0) GHz	A2: 20 dB GAIN	3: P1/P2/P3 DC ENABLE; P4 DC BLOCKED
4.0-6.0 (4.0-6.0) GHz	A3: 33 dB GAIN	4: P1 DC ENABLE; P2/P3/4 DC BLOCKED
2.0-6.0 (2.0-6.0) GHz	P: PASSIVE	5: P1 DC BLOCKED; P2/P3/P4 DC ENABLED
X.X-Y.Y (X.X-Y.Y) GHz		

P/N: 3G0.5-6.0SP-XT3-X

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
NOTES: UNLESS OTHERWISE SPECIFIED:

CABLE'S LENGTH:	P1/P2/P3/P4 Female Connector:	DC Bias Female Connector:
X: NO CABLE	S: SMA, T: TNC	S: SMA, B: BNC, T: TNC
M: WITH MAG. MOUNT	Q: QMA, B: BNC	N: N, M: MCX, MM: MMCX
R: CABLE LENGTH (IN)	N: N, M: MCX, MM: MMCX	F: F, SB: SMB, SC: SMC
R: RIGHT ANGLE CON.	F: F, SB: SMB, SC: SMC	

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	TEMP
1						1

UNLESS OTHERWISE SPECIFIED	ORIGINAL DRAWN	ORIGINAL DESIGNED	UPDATED	UPDATE DRAWN	APPROVED
DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES ± 1/64 ± 0.015 ± 1'	S. HUYNH May-03-11	S. HUYNH May-03-11	S. HUYNH Feb-22-13	S. HUYNH Feb-22-13	S. HUYNH Feb-22-13

ANTCOM CORP. TORRANCE CALIFORNIA	
3-WAY, IN PHASE with DC INPUT	
POWER DIVIDER/COMBINER	
SCALE 1/1	SHEET 1 OF 1



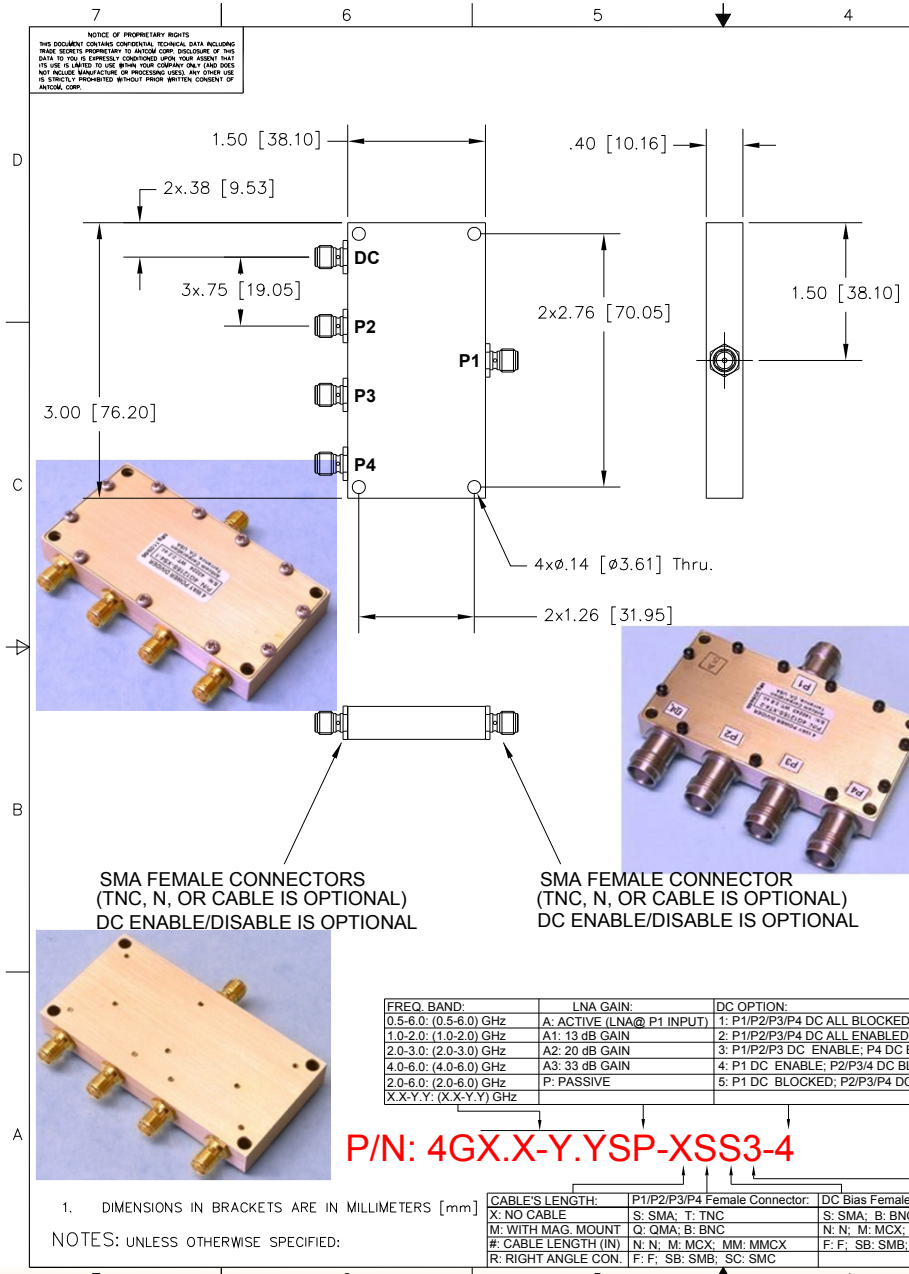
FAA Approved Facility

3-Way Power Divider/Combiner with Separate DC Input to External or Internal LNA
P/N: 4GX.X-Y.YSP-XSS3-4 (Passive, SMA), **P/N: 4GX.X-Y.YSA1-XSS3-4** (Active, SMA)
P/N: 4GX.X-Y.YS-XSS3-4 (Passive with No DC input, SMA)
 Other Connectors are Available

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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SPECIFICATIONS

ELECTRICAL:

	(0.250-0.500) GHz	(0.5-1.0) GHz	(1.0-3.0) GHz
FREQUENCY:	(0.250-0.500) GHz	(0.5-1.0) GHz	(1.0-3.0) GHz
VSWR:	< (2.0-3.5):1	< 2.0:1	< 1.5:1
IMPEDANCE:	50 ohms	50 ohms	50 ohms
INSERTION LOSS (dB):	(0.6 to 1.6)	0.8	0.6
AMPLITUDE BALANCE (dB):	+/-0.2	+/-0.2	+/-0.2
PHASE BALANCE (Deg.):	+/-1.0	+/-1.0	+/-1.0
POWER HANDLING:	100 Watt CW		

MECHANICAL:

SIZE: LENGTH=1.50 in.[38.10 mm], WIDTH=3.00 in. [76.2 mm]
 HEIGHT 0.40 in. [10.16 mm]
 WEIGHT: 3.00 oz. (85 g)
 FINISH: BASE IRIDITE PER MIL-C-5441

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
 UV, ABRASION, AND SKYDROL RESISTANCE

CONNECTOR: SMA FEMALE
 (OPTIONAL: TNC, OR N)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C] (Operational)
 -85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)
 ALTITUDE: 70,000 ft.
 VIBRATION: >30 G's
 LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541,
 MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

SMA FEMALE CONNECTORS
 (TNC, N, OR CABLE IS OPTIONAL)
 DC ENABLE/DISABLE IS OPTIONAL

SMA FEMALE CONNECTOR
 (TNC, N, OR CABLE IS OPTIONAL)
 DC ENABLE/DISABLE IS OPTIONAL

FREQ. BAND:	LNA GAIN:	DC OPTION:
0.5-6.0: (0.5-6.0) GHz	A: ACTIVE (LNA@ P1 INPUT)	1: P1/P2/P3/P4 DC ALL BLOCKED
1.0-2.0: (1.0-2.0) GHz	A1: 13 dB GAIN	2: P1/P2/P3/P4 DC ALL ENABLED
2.0-3.0: (2.0-3.0) GHz	A2: 20 dB GAIN	3: P1/P2/P3 DC ENABLE, P4 DC BLOCKED
4.0-6.0: (4.0-6.0) GHz	A3: 33 dB GAIN	4: P1 DC ENABLE; P2/P3/4 DC BLOCKED
2.0-6.0: (2.0-6.0) GHz	P: PASSIVE	5: P1 DC BLOCKED; P2/P3/4 DC ENABLED
X.X-Y.Y: (X.X-Y.Y) GHz		

P/N: 4GX.X-Y.YSP-XSS3-4

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

CABLE'S LENGTH:	P1/P2/P3/P4 Female Connector:	DC Bias Female Connector:
X: NO CABLE	S: SMA; T: TNC	S: SMA; B: BNC; T: TNC
M: WITH MAG. MOUNT	Q: QMA; B: BNC	N: N; M: MCX; MM: MMCX
P: CABLE LENGTH (IN)	N: N; M: MCX; MM: MMCX	F: F; SB: SMB; SC: SMC
R: RIGHT ANGLE CON.	F: F; SB: SMB; SC: SMC	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	REV NO
1						1

UNLESS OTHERWISE SPECIFIED	ANTCOM CORP.
DIMENSIONS ARE IN INCHES	TORRANCE, CALIFORNIA
FRACTIONS: DECIMALS: ANGLES	
± 1/64 .xxx .000 ± .1°	
TOLERANCE ±.01 PER ANSI Y14.5	
BREAK ALL DIMS	
BREAK EXTERNAL EDGES .005 TO .015	
FILLET R .015 R .030	
SIZE IN PARENTS PER MIL-S-8879	
DIMS ON A COMMON L. 27.025	
MACHINED SURFACES 2/3	
DO NOT SCALE DRAWING	

DATE	DESIGN	APPROVED	SCALE	SHEET
Feb-09-04	S. HUYNH		1/1	1
Feb-09-04	S. HUYNH			
Mar-21-13	P. TRAN			
Mar-21-13	S. HUYNH			



FAA Approved Facility

3-Way Power Divider/Combiner

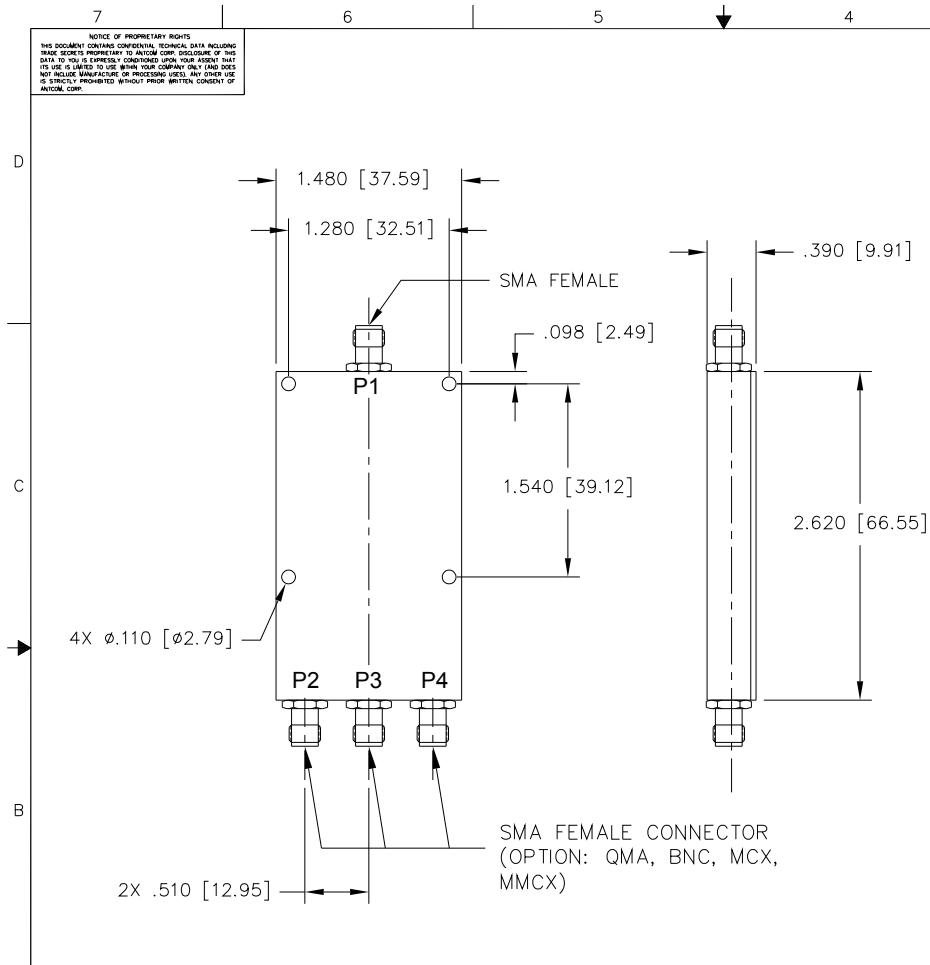
P/N: 2.6G2.0-8.0SP-XT3

Other Connectors are Available

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(2.0 - 8.0) GHz
VSWR:	1.4:1
IMPEDANCE:	50 ohms
INSERTION LOSS (dB):	1
AMPLITUDE BALANCE (dB):	0.6
PHASE BALANCE (Deg.):	5
POWER HANDLING:	10 Watt CW

MECHANICAL:

SIZE:	2.62in.[66.5mm] x 1.48in.[37.59mm] HEIGHT 0.39in.[9.9mm]
WEIGHT:	1.97oz. (55.8 g)
FINISH:	BASE IRIDITE PER MIL-C-5541F
COLOR:	LUSTERLESS GRAY #36320 PER FED-STD-595B
MATERIAL:	6061-T6 ALUMINUM ALLOY BASE UV, ABRASION, AND SKYDROL RESISTANCE
CONNECTOR:	SMA FEMALE (OPTION: QMA, BNC, MCX)

ENVIRONMENTAL:

TEMPERATURE:	-90 °F TO +257 °F [-67 °C TO +125 °C] (Operational) -85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)
ALTITUDE:	70,000 ft.
VIBRATION:	>30 G's
LEAKAGE:	HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

FREQ. BAND:	LNA GAIN:	DC OPTION:
2.0-3.0: (2.0-3.0) GHz	A: ACTIVE (LNA@ P1 INPUT)	1: P1/P2/P3/P4 DC ALL BLOCKED
4.0-6.0: (4.0-6.0) GHz	A1: 13 dB GAIN	2: P1/P2/P3/P4 DC ALL ENABLED
2.0-6.0: (2.0-6.0) GHz	A2: 20 dB GAIN	3: P1/P2/P3 DC ENABLE; P4 DC BLOCKED
6.0-8.0: (6.0-8.0) GHz	A3: 33 dB GAIN	4: P1 DC ENABLE; P2/P3/4 DC BLOCKED
X.X-Y.Y: (X.X-Y.Y) GHz	P: PASSIVE	5: P1 DC BLOCKED; P2/P3/4 DC ENABLED

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	TRN NO
1						1

P/N: 2.6G2.0-8.0SP-XT3

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
NOTES: UNLESS OTHERWISE SPECIFIED:

CABLE'S LENGTH:	P1/P2/P3/P4 Female Connector:	DC Bias Female Connector:
X: NO CABLE	S: SMA; T: TNC	S: SMA; B: BNC; T: TNC
M: WITH MAG. MOUNT	Q: QMA; B: BNC	N: N; M: MCX; MM: MMCX
FF: CABLE LENGTH (IN)	N: N; M: MCX; MM: MMCX	F: F; SB: SMB; SC: SMC
R: RIGHT ANGLE CON.	F: F; SB: SMB; SC: SMC	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	ORIGINALLY DRAWN	S. HUYNH
FRACTIONS: DECIMALS ARE ANGLES	ORIGINALLY DESIGNED	S. HUYNH
± 1/64 .xxx .010 ± .1°	UPDATED	S. HUYNH
TOLERANCE ±.010 PER ANSI Y14.5	UPDATE DRAWN	P. TRAN
REMOVE ALL SHARP BREAKS EXTERNAL EDGES .005 TO .015	APPROVED	S. HUYNH
FILED IN 2013 10 030		
SCALE: DIMENSIONS PER MIL-S-8879		
DATE ON A COMMON 1:20:000		
MACHINED SURFACES 1/2		
DO NOT SCALE DRAWING		

ANTCOM CORP. TORRANCE, CALIFORNIA

3-WAY, IN PHASE
POWER DIVIDER/COMBINER

REV	DATE	BY	CHK
D	3CVE1	S. HUYNH	Feb-22-13

SCALE 1/1 SHEET 1 OF 1



FAA Approved Facility

4-Way Power Divider/Combiner for Multiple Channels,

(P/N: 4G1215S-XX4-X)

2, 3, 5, 6 Ways are also Available

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

FREQ. BAND:	LNA GAIN:	DC OPTION:
1215; 0.3-3 GHz	13; 13 dB GAIN	1; ALL DC INPUT/OUTPUT DISABLE
	20; 20 dB GAIN	2; ALL DC INPUT/OUTPUT ENABLE
	33; 33 dB GAIN	P1; PORT P0 & P1 DC INPUT/OUTPUT ENABLE
		P12; PORT P0, P1, P2, DC INPUT/OUTPUT ENABLE
		P123; PORT P0, P1, P2, P3 DC INPUT/OUTPUT ENABLE

P/N: 4G1215S-XS4-1

CABLE'S LENGTH:	CONNECTOR:
X: NO CABLE	T: TNC (Optional Bulkhead)
M: WITH MAG. MOUNT	S: SMA
R: CABLE LENGTH (IN)	N: N (Optional Bulkhead)
R: RIGHT ANGLE CON.	M: MCX
	2: 2-WAY
	4: 4-WAY
	8: 8-WAY

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(0.250-0.500) GHz	(0.5-1.0) GHz	(1.0-3.0) GHz
VSWR:	< (2.0-3.5):1	< 2.0:1	< 1.5:1
IMPEDANCE:	50 ohms	50 ohms	50 ohms
INSERTION LOSS (dB):	(0.6 to 1.6)	0.8	0.6
AMPLITUDE BALANCE (dB):	+/-0.2	+/-0.2	+/-0.2
PHASE BALANCE (Deg.):	+/-1.0	+/-1.0	+/-1.0
POWER HANDLING:	100 Watt CW		

MECHANICAL:

SIZE: LENGTH=1.50 In.[38.10 mm], WIDTH=3.00 In. [76.2 mm]
HEIGHT 0.40 in. [10.16 mm]

WEIGHT: 3.00 oz. (85 g)

FINISH: BASE IRIDITE PER MIL-C-5441

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
UV, ABRASION, AND SKYDROL RESISTANCE

CONNECTOR: SMA FEMALE
(OPTIONAL: TNC, OR N)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C] (Operational)
-85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)

ALTITUDE: 70,000 ft.

VIBRATION: >30 G's

LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1						1

ANTCOM CORP. TORRANCE, CALIFORNIA

(0.3-3) GHz
4-WAY IN PHASE
POWER DIVIDER/COMBINER

DATE: 02/09/04
DRAWN: S. HUY/WH
CHECKED: S. HUY/WH
APPROVED: S. HUY/WH
Feb-09-04

SCALE 1/1
SHEET 1 OF 1



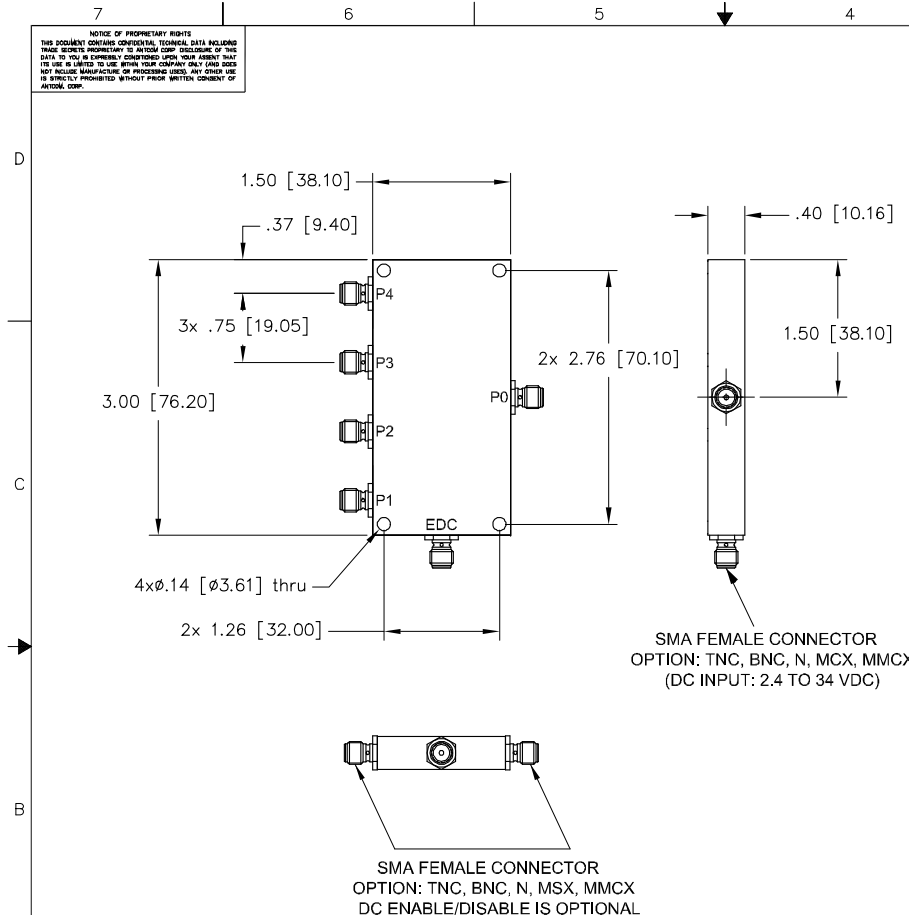
FAA Approved Facility

4-Way Power Divider/Combiner for Multiple Channels, P/N: 4G1215S-XXX4-X-EDC (External DC),
 P/N: 4G1215S-XSS4-3-EDC (P0 Disable / (External DC/P1/P2/P3/P4 Enable)), All SMA Female Connectors
 P/N: 4G1215S-XSS4-1-EDC (External DC Enable with P1/P2/P3/P4 Disable), All SMA Female Connectors
 P/N: 4G1215S-XTB4-1-EDC (External DC with P1/P2/P3/P4 Disable), All TNC Female Connectors with BNC for DC

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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SPECIFICATIONS

ELECTRICAL:

	(0.250-0.500) GHz	(0.5-1.0) GHz	(1.0-3.0) GHz
FREQUENCY:	(0.250-0.500) GHz	(0.5-1.0) GHz	(1.0-3.0) GHz
VSWR:	< (2.0-3.5):1	< 2.0:1	< 1.5:1
IMPEDANCE:	50 ohms	50 ohms	50 ohms
INSERTION LOSS (dB):	(0.3 to 0.8)	0.4	0.3
AMPLITUDE BALANCE (dB):	+/-0.2	+/-0.2	+/-0.2
PHASE BALANCE (Deg.):	+/-1.0	+/-1.0	+/-1.0
POWER HANDLING:	100 Watt CW		

MECHANICAL:

SIZE: LENGTH=1.50 in. [38.10 mm], WIDTH=3.00 in. [76.2 mm]
 HEIGHT 0.40 in. [10.16 mm]
WEIGHT: 3.00 oz. (85.0 g)
FINISH: BASE IRIDIUM PER MIL-C-5441F
MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
 UV, ABRASION, AND SKYDROL RESISTANCE
CONNECTOR: SMA FEMALE
 (OPTIONAL: TNC, BNC, N, MCX, or MMCX)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C] (Operational)
 -85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)
ALTITUDE: 70,000 ft.
VIBRATION: >30 G's
LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

FREQ. BAND:	LNA GAIN:	DC OPTION:
1215; (0.3-3) GHz	13; 13 dB GAIN	1: P1/P2/P3/P4 DISABLE
	20; 20 dB GAIN	2: P0/P1/P2/P3/P4 ENABLE
	33; 33 dB GAIN	3: P0 DISABLE / (P1/P2/P3/P4/EDC) ENABLE
		P1: P0/P1 DC ENABLE
		P2: P0/P2 DC ENABLE
		P3: P0/P3 DC ENABLE
		P4: P0/P4 DC ENABLE

P/N: 4G1215S-XSS4-3-EDC

CABLE LENGTH:	P0/P1/P2/P3/P4 Female Connector:	DC Bias Female Connector:
X: NO CABLE	T: TNC (Optional Bulkhead)	T: TNC (Optional Bulkhead)
M: WITH MAG. MOUNT	S: SMA; B: BNC	S: SMA; B: BNC
F: CABLE LENGTH (IN)	N: N (Optional Bulkhead)	N: N (Optional Bulkhead)
R: RIGHT ANGLE CON.	M: MCX, MM: MMCX	M: MCX, MM: MMCX

1. NOTES: UNLESS OTHERWISE SPECIFIED:

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1						1

UNLESS OTHERWISE SPECIFIED	ANTCOM CORP.
DIMENSIONS ARE IN INCHES	TORRANCE, CALIFORNIA
FRACTIONS TO DECIMALS: ANGLES TO DEGREES	
\pm 1/64	
\pm .010	
TOLERANCE 5VM PER ANSI Y14.5	
REMOVE ALL BURRS	
BREAK EXTERNAL EDGES .005 TO .015	
FILED & SHIP TO 8 (SEE DRAWING)	
SAF'S ON A COMBINATION OF 27-000	
MACHINED SURFACES	
DO NOT SCALE DRAWING	

DATE	USER	DESCRIPTION
Feb-09-04	S. HUYNH	ORIGINALLY DRAWN
Feb-09-04	S. HUYNH	ORIGINALLY DESIGNED
Sep-10-13	S. HUYNH	UPDATED
Sep-10-13	P. TRAN	UPDATE DRAWN
Sep-10-13	S. HUYNH	APPROVED

SCALE	SHEET
1/1	1 OF 1



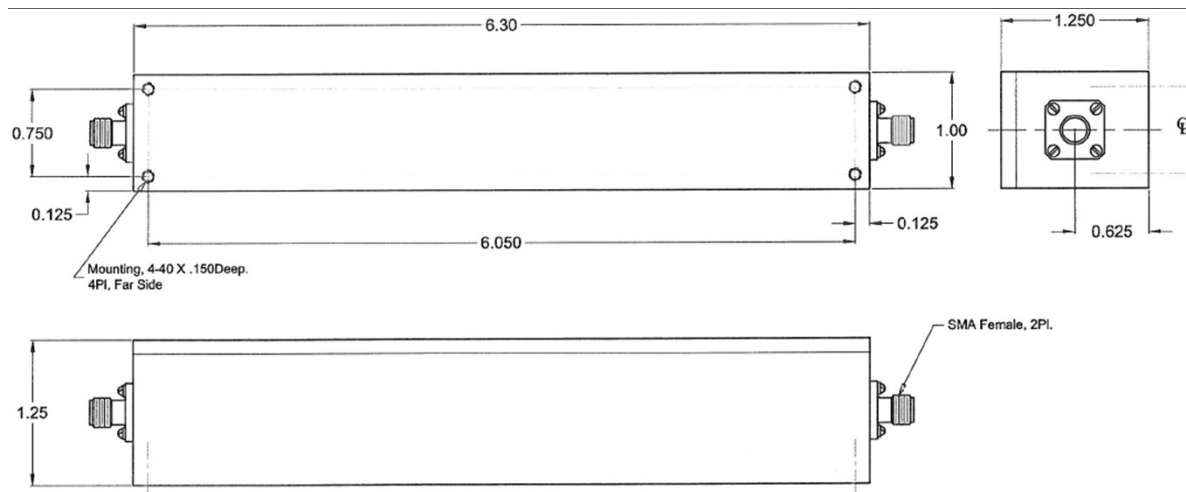
FAA Approved Facility

P/N: CDMA-8PB-L-20-1880K9R60FA 20 watts CDMA Band Pass Filter

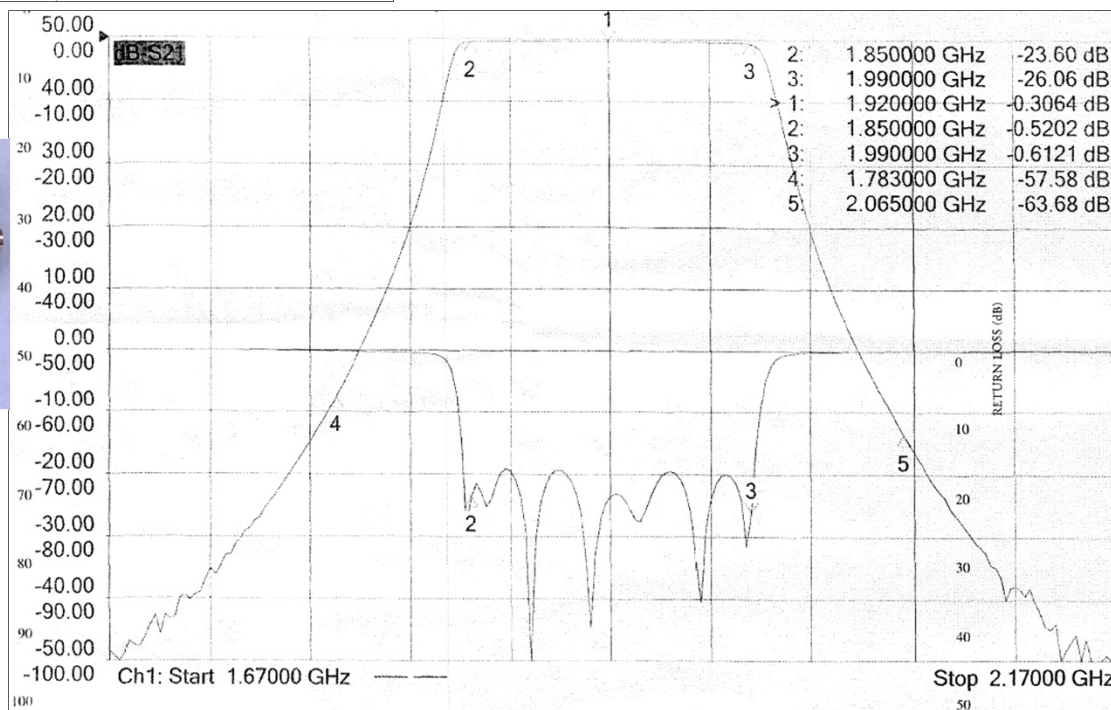
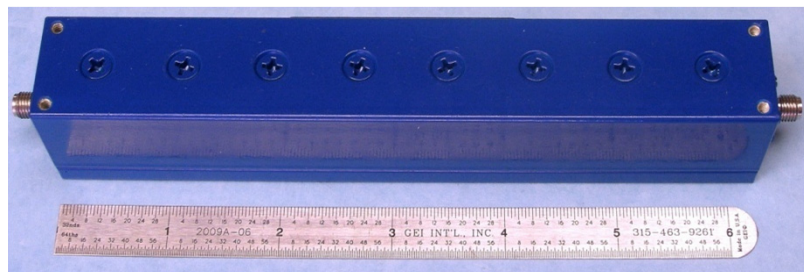
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Pass Band (MHz): (1850 - 1990)
3-dB BW (MHz): (1845 - 1995)
Selectivity BW (MHz): (1783 - 2056)
Selectivity (dB): >50 (>57 Measured)
Insertion Loss (dB): <1 (<0.6 measured)
CW Power Handling: 20W
Connectors: SMA Female
Size: 1.0" x 1.25" x 6.05"



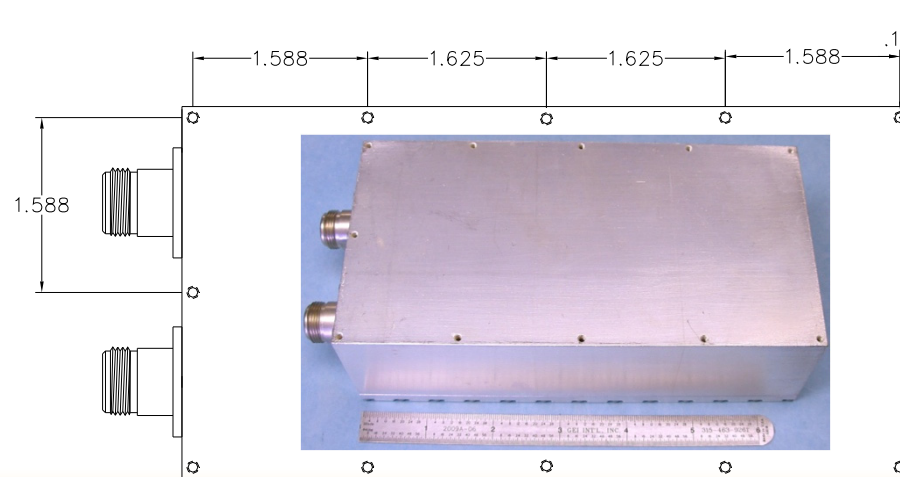
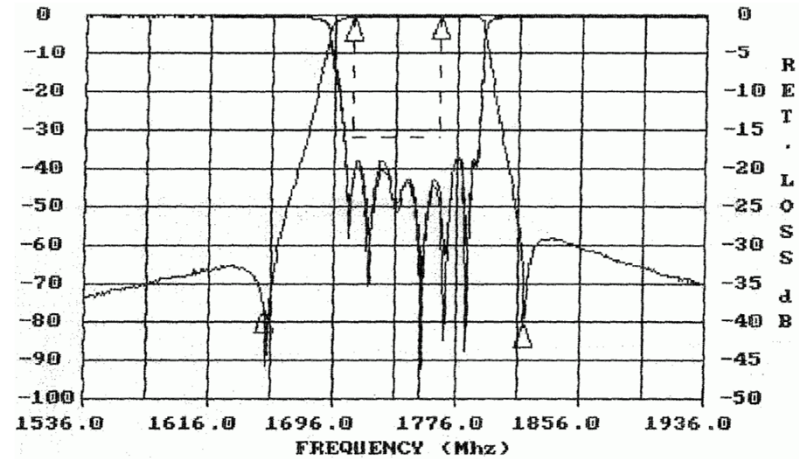
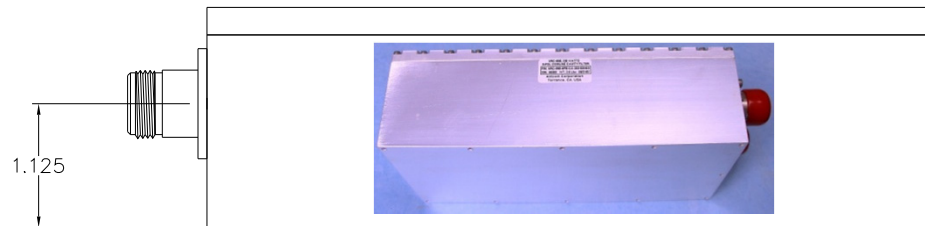
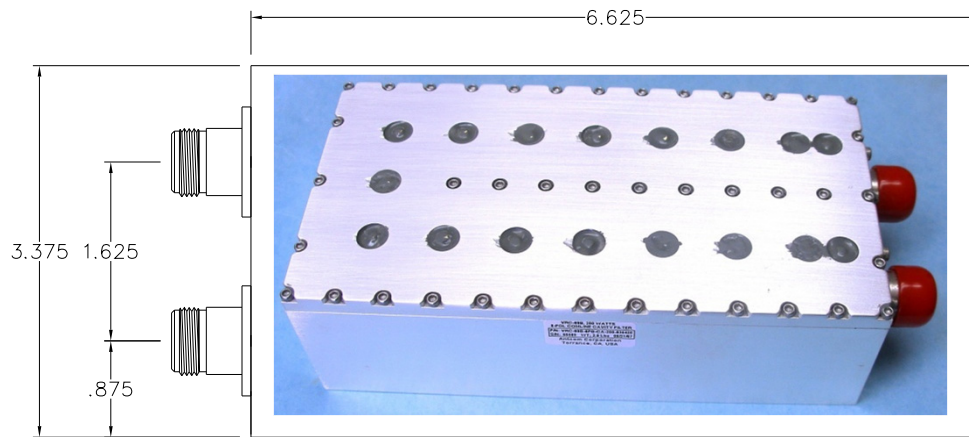
P/N: VRC-99B-8PB-CA-200-936420

VRC-99B, 200watts, 8-Pol Comline Cavity filter

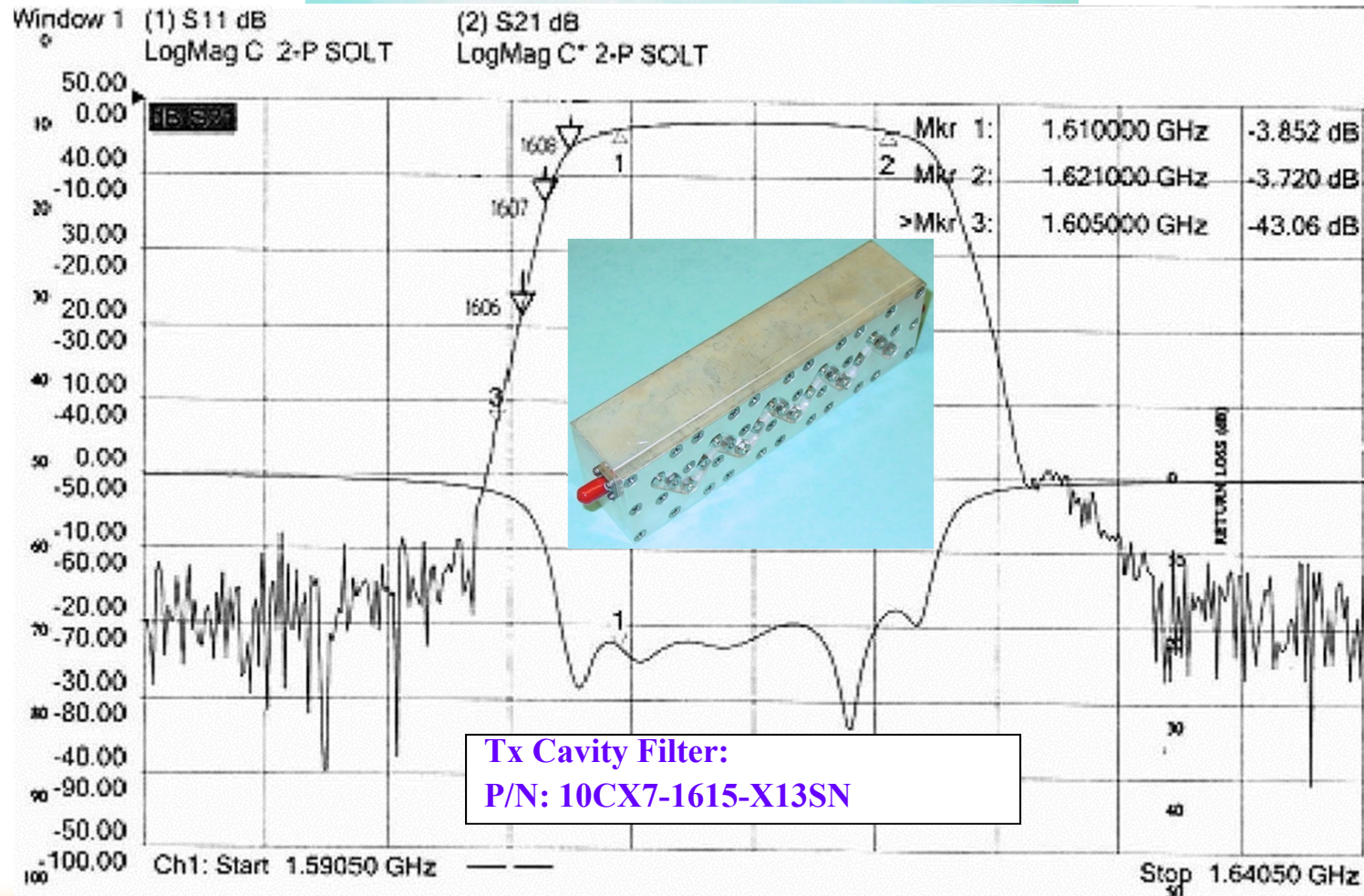
Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

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Pass band: (1708 – 1764) MHz
Insertion Loss: < 1.5 db over the passband
Return Loss: 16 db over BW
Rejection: -70 db min @ 1651, 1820 MHz
Power: 200 CW.
Size: (6.625 x 2.000 x 3.175) inches.
Connectors: N-F
Temperature: -55C to +125C



FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1651	-76.3 dbC	-70 dbC MIN	
1820	-80.1 dbC	-70 dbC MIN	
1708 - 1764	-.473 dbA	-1.5 dbA MAX	
	VALUE	SPEC	COMMENTS
	99.06 MHZ	56 MHZ MIN	-3dbC Width
	1743.23MHZ	1708 MIN	Center Freq.
	1743.23MHZ	1764 MAX	Center Freq.
FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1708 - 1764	-18.9	-16 db MIN	(S11) - VSWR
1708 - 1764	-18.9	-16 db MIN	(S22) - VSWR



Tx Cavity Filter:
P/N: 10CX7-1615-X13SN

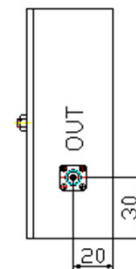
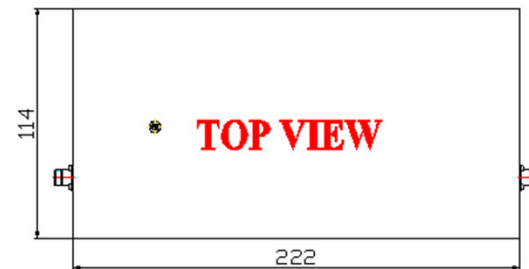
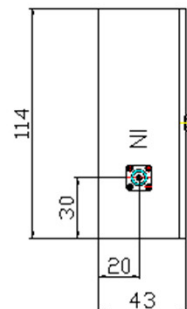
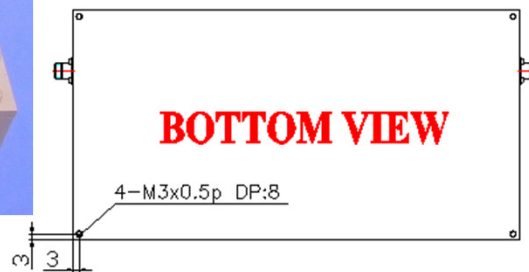
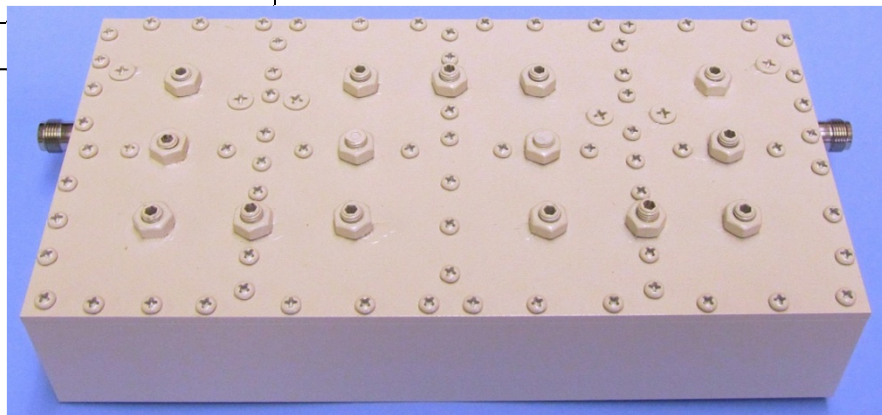
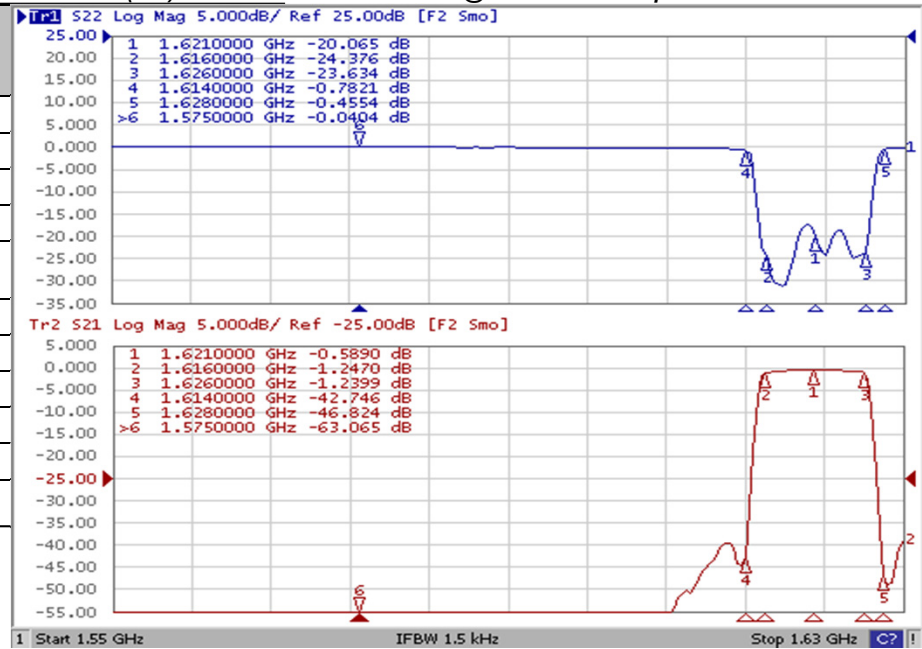
Iridium Cavity Filter

Antcom's P/N: 789-Iridium-N-Filter

Size= 8.66inx4.5inx1.69in

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Parameter	Unit	Specification
Center Frequency	MHz	1621.25
Frequency Range	MHz	1616 ~ 1626.5
IL (max)	dB	2.0 max
Return Loss in BW (min)	dB	16.0
Attenuation (min)	dB	35 @ 1614 MHz 25 @ 1628 MHz
Impedance (on all ports)	Ω	50
RF Power Capability	W	20 W (max),
Connector	-	TNC(F) Material
Temperature Range	$^{\circ}\text{C}$ (deg.)	-10 ~ +60



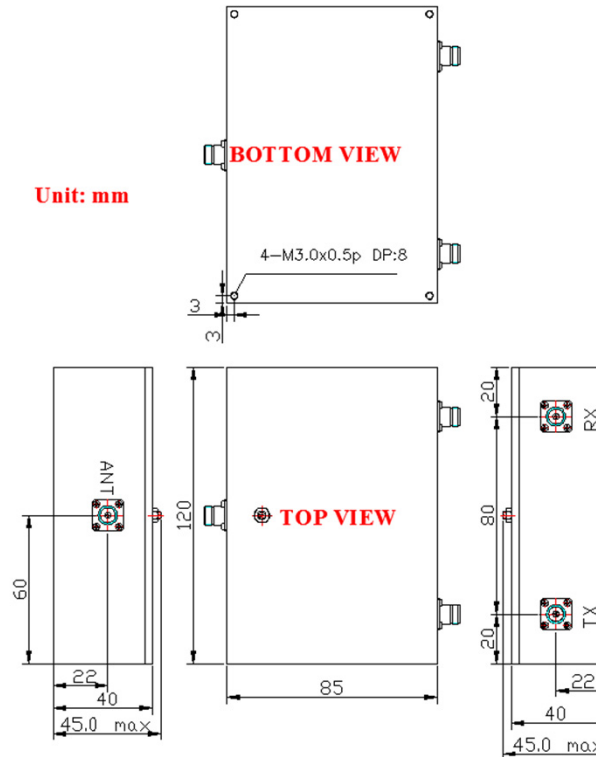
GPS/Iridium Cavity Diplexer

Antcom's P/N: 789-Iridium-GPS-Filter

Size= 4.7inx3.4inx1.8in

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Parameter	Unit	Specification	
		RX	TX
Center Frequency	MHz	1575	1617.5
Frequency Range	MHz	1565 – 1585	1609 – 1626
Insertion Loss	dB	1.0 max	
VSWR in BW	dB	1.5:1 max	
Attenuation	dB	30.0 min @ 1609 ~ 1626 MHz	30.0 min @ 1565 ~ 1585 MHz
Power	W	30 max	
In / Out Impedance	Ω	50	
Connector	-	SMA(f)	
Temperature Range	$^{\circ}\text{C}(\text{deg.})$	-25 ~ +75	



(With and Without OmniStar Band)

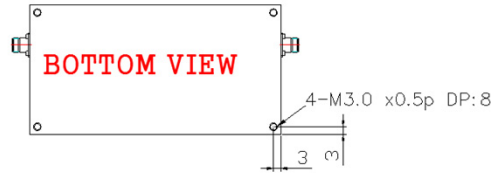
Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

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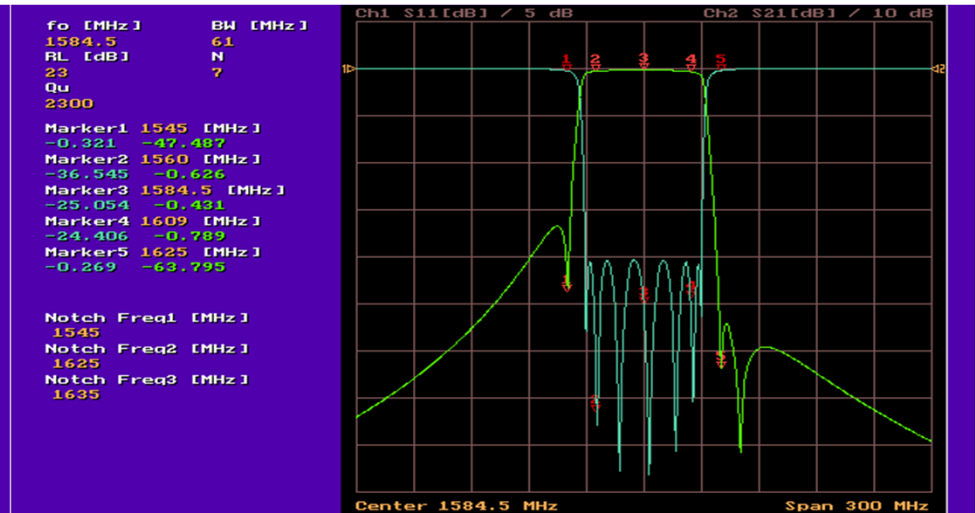
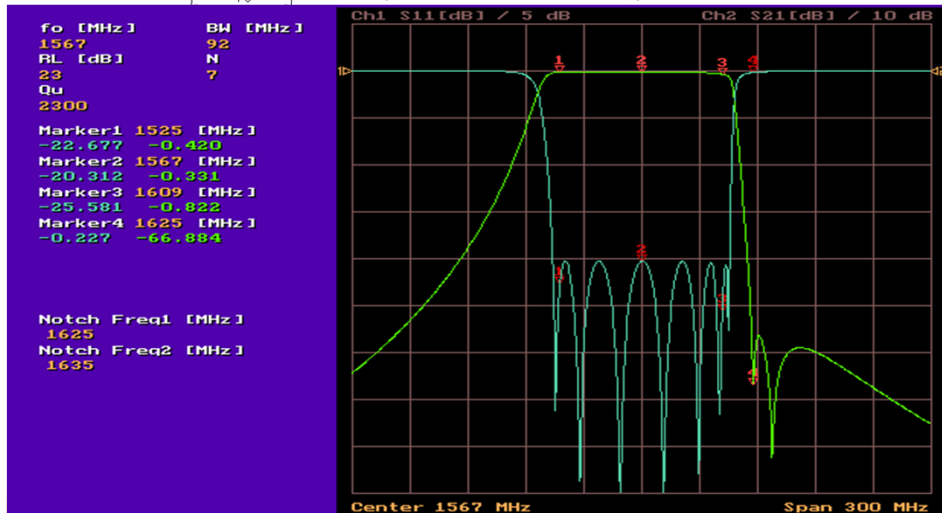
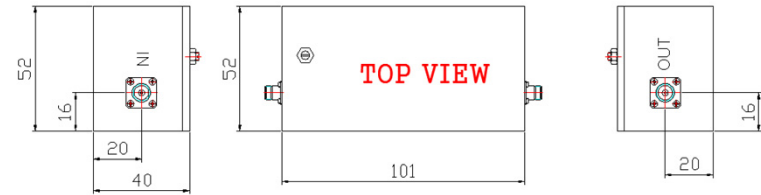
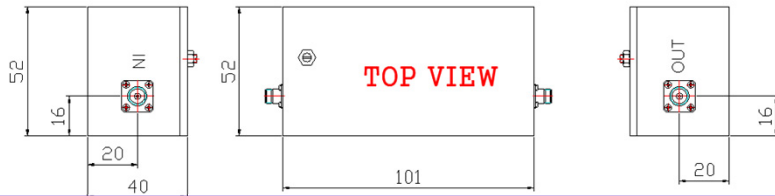
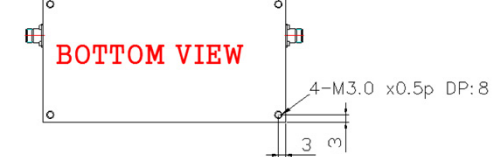
Parameter	Unit	Specification
Center Frequency	MHz	1567
Frequency Range	MHz	1525 ~ 1609
Insertion Loss	dB	1.0 max
Return Loss	dB	20 min
Attenuation	dB	50 min @1625MHz
Power Handling	W	30W max
Operating Temp		-20 ~ +70
Impedance	ohm	50
Connector		SMA(F)

Parameter	Unit	Specification
Center Frequency	MHz	1584.5
Frequency Range	MHz	1560 ~ 1609
Insertion Loss	dB	1.0 max
Return Loss	dB	20 min
Attenuation	dB	50.0 min @1625MHz 30.0 min @1545MHz
Power Handling	W	30W max
Operating Temp		-20 ~ +70
Impedance	ohm	50
Connector		SMA(F)

P/N: L1GNSS1-Filter



P/N: L1GNSS1-Filter



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Specifications for Diplexer:

CH 1:

I.L. = 2.3 dB max. over 155 to 162.5 MHz
 VSWR = 2:1 max. over 155 to 162.5 MHz (ref. 50 ohms)
 15 dB min. @ 168.5 to 175 MHz

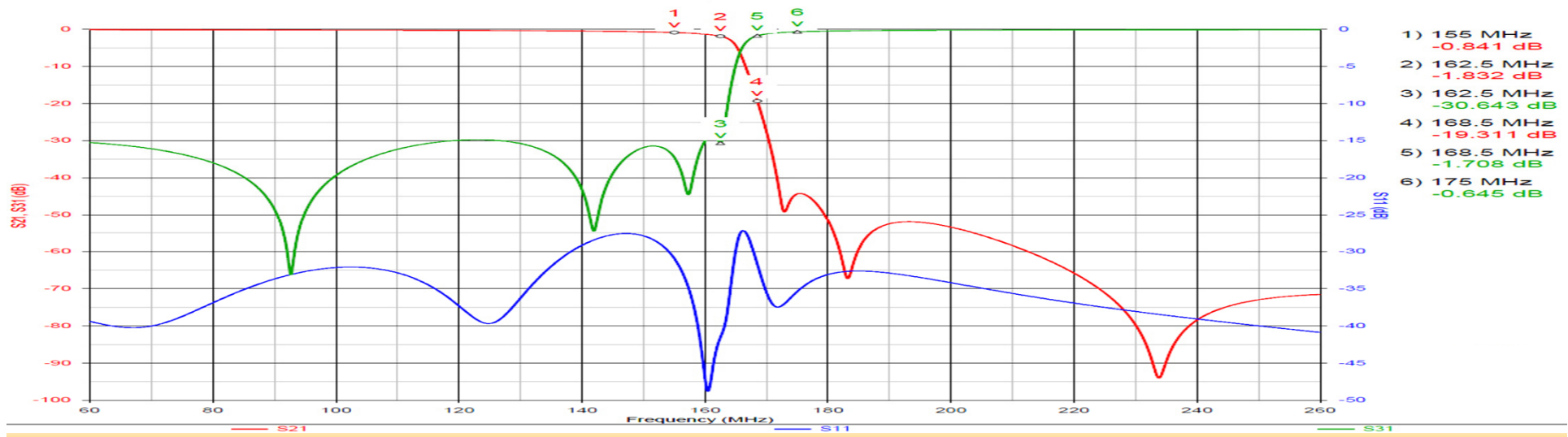
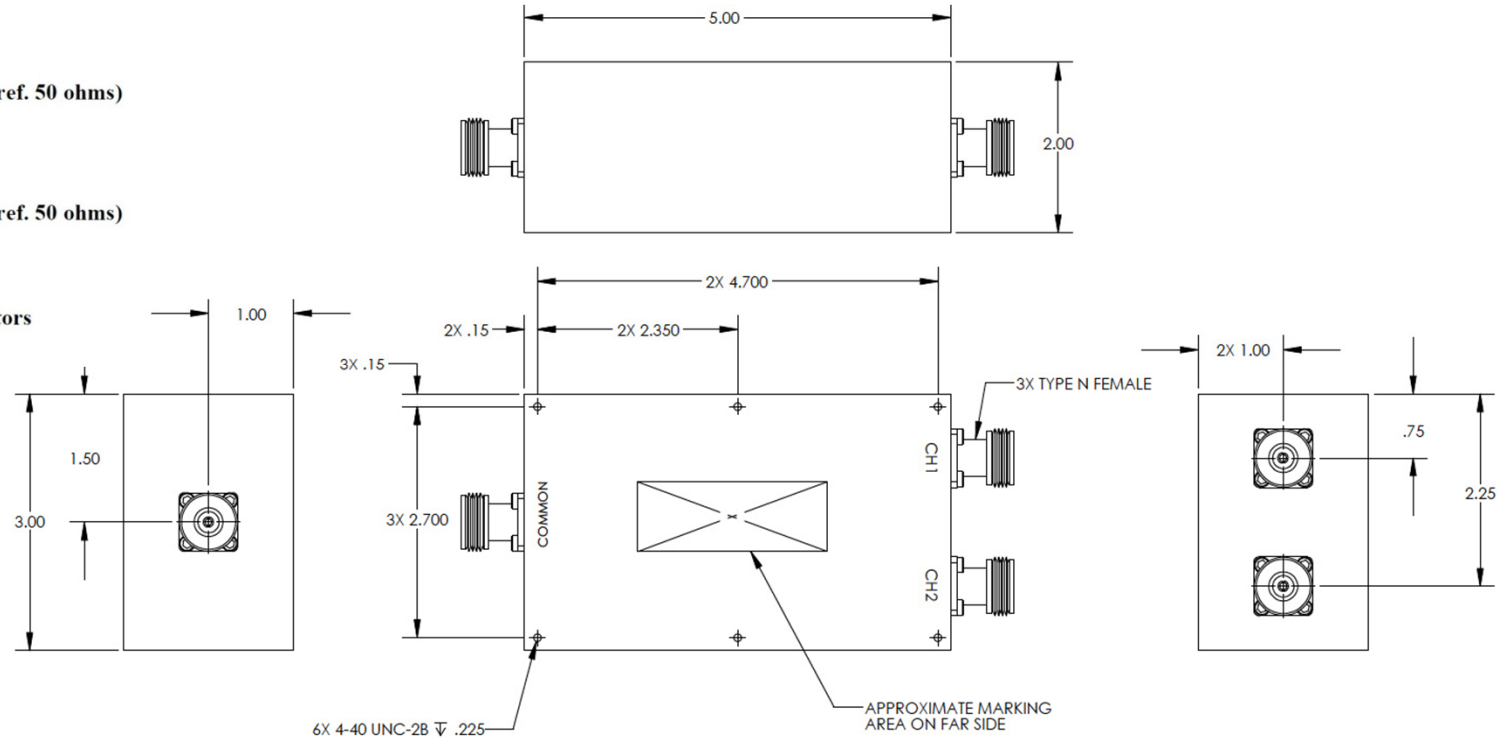
CH 2:

I.L. = 2.3 dB max. over 168.5 to 175 MHz
 VSWR = 2:1 max. over 168.5 to 175 MHz (ref. 50 ohms)
 15 dB min. @ 155 to 162.5 MHz

Input Power = 1 watt max per channel

Size: 2.00 x 3.00 X 5.00" excluding connectors

Connectors: Type N female





FAA Approved Facility

VHF Triplexer

Antcom's P/N: T1W-116-175-XN-4



Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

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Specifications for Triplexer:

CH 1:

I.L. = 2.5 dB max. over 116 to 150 MHz
 VSWR = 2:1 max. over 116 to 150 MHz (ref. 50 ohms)
 15 dB min. @ 160 to 175 MHz

CH 2:

I.L. = 3.0 dB max. over 160 to 162.5 MHz
 VSWR = 2:1 max. over 160 to 162.5 MHz (ref. 50 ohms)
 12 dB min. @ 116 to 150 MHz and 168.5 to 175 MHz

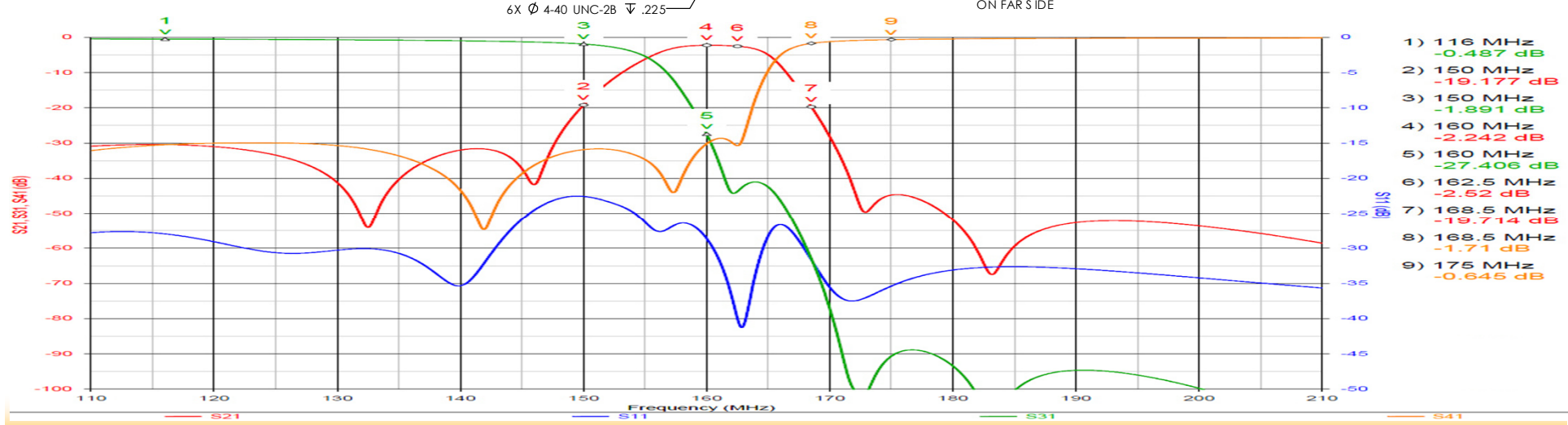
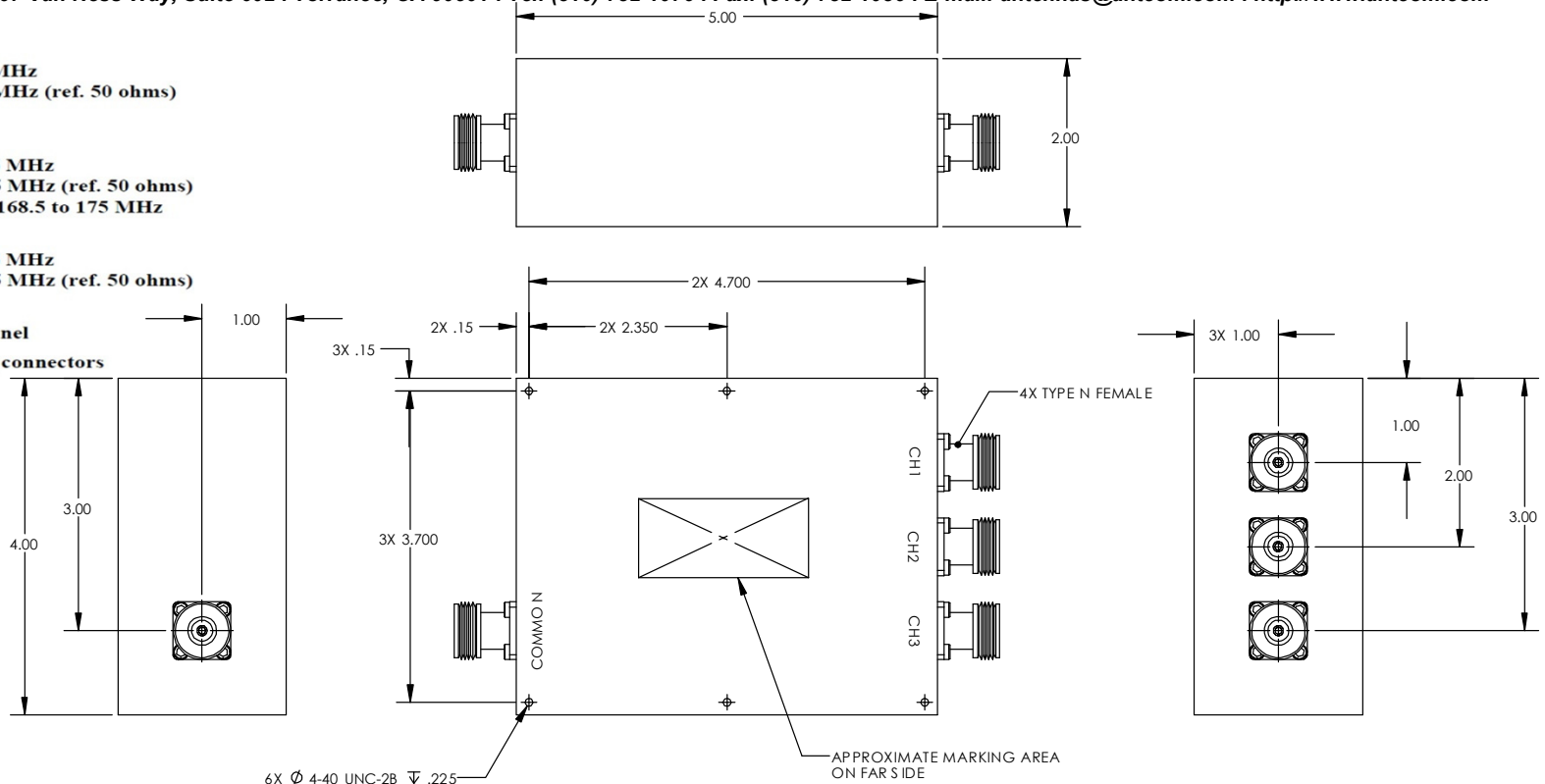
CH 3:

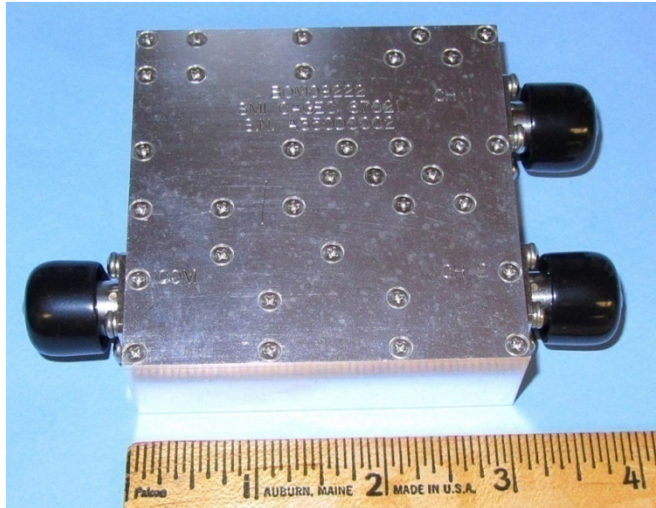
I.L. = 2.5 dB max. over 168.5 to 175 MHz
 VSWR = 2:1 max. over 168.5 to 175 MHz (ref. 50 ohms)
 15 dB min. @ 116 to 162.5 MHz

Input Power = 1 watt max per channel

Size: 2.00 x 4.00 X 5.00" excluding connectors

Connectors: Type N female





NOTES:

1. MATERIAL: AL AL1
2. FINISH: SILVER PLATE.
3. ELECTRICAL SPECIFICATIONS:



CHANNEL 1:

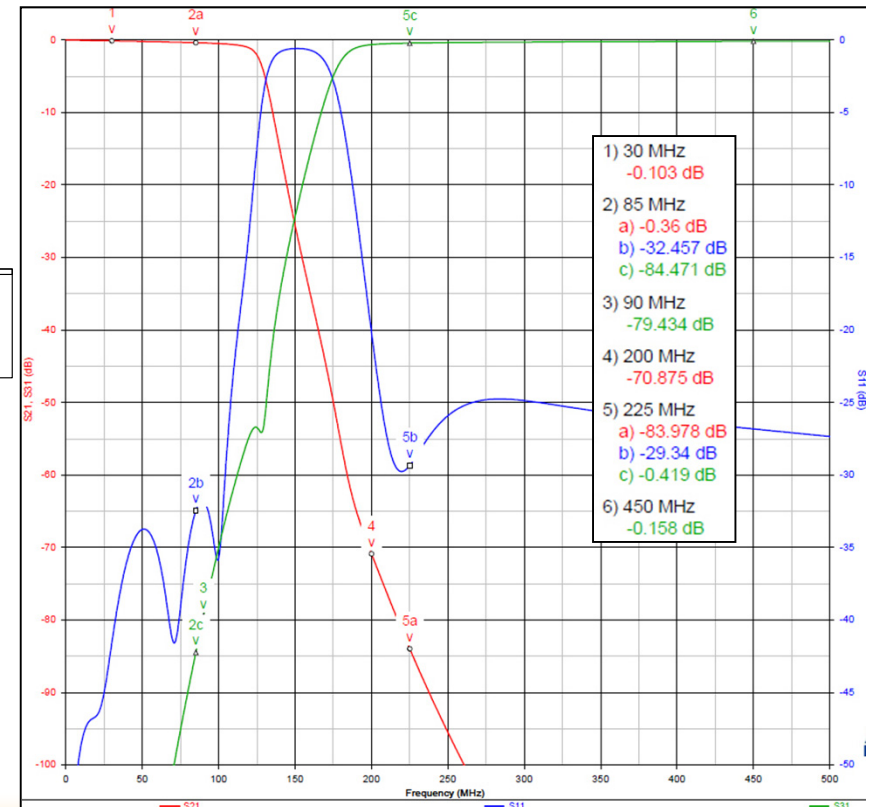
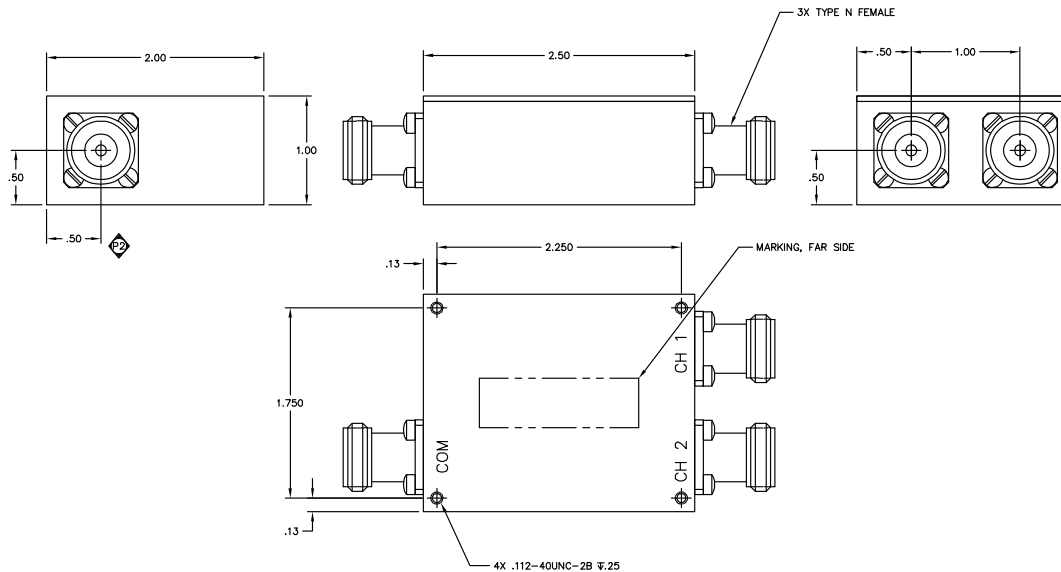
PASSBAND = 30 TO 85 MHz MIN
 I.L. = 1.0 dB MAX OVER THE PASSBAND
 VSWR = 1.5:1 MAX OVER THE ENTIRE PASSBAND (REF 50 OHMS)
 POWER HANDLING = 50 WATTS C.W. MAX
 REJECTION = 60 dBc MIN FROM 200 TO 450 MHz

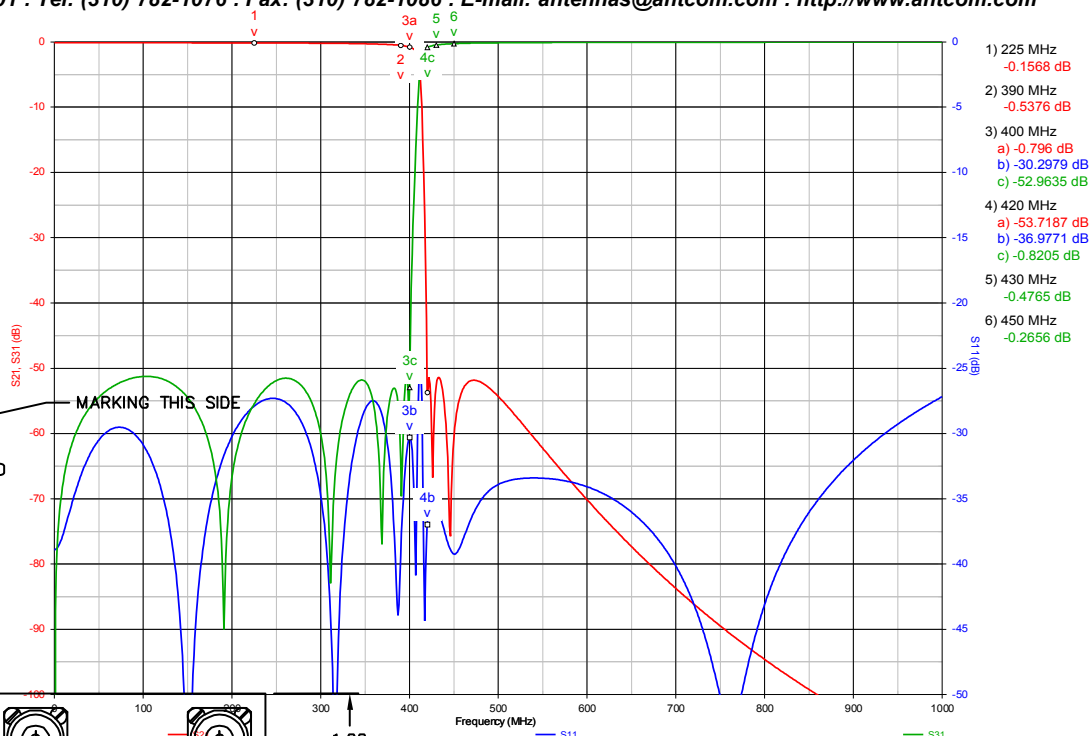
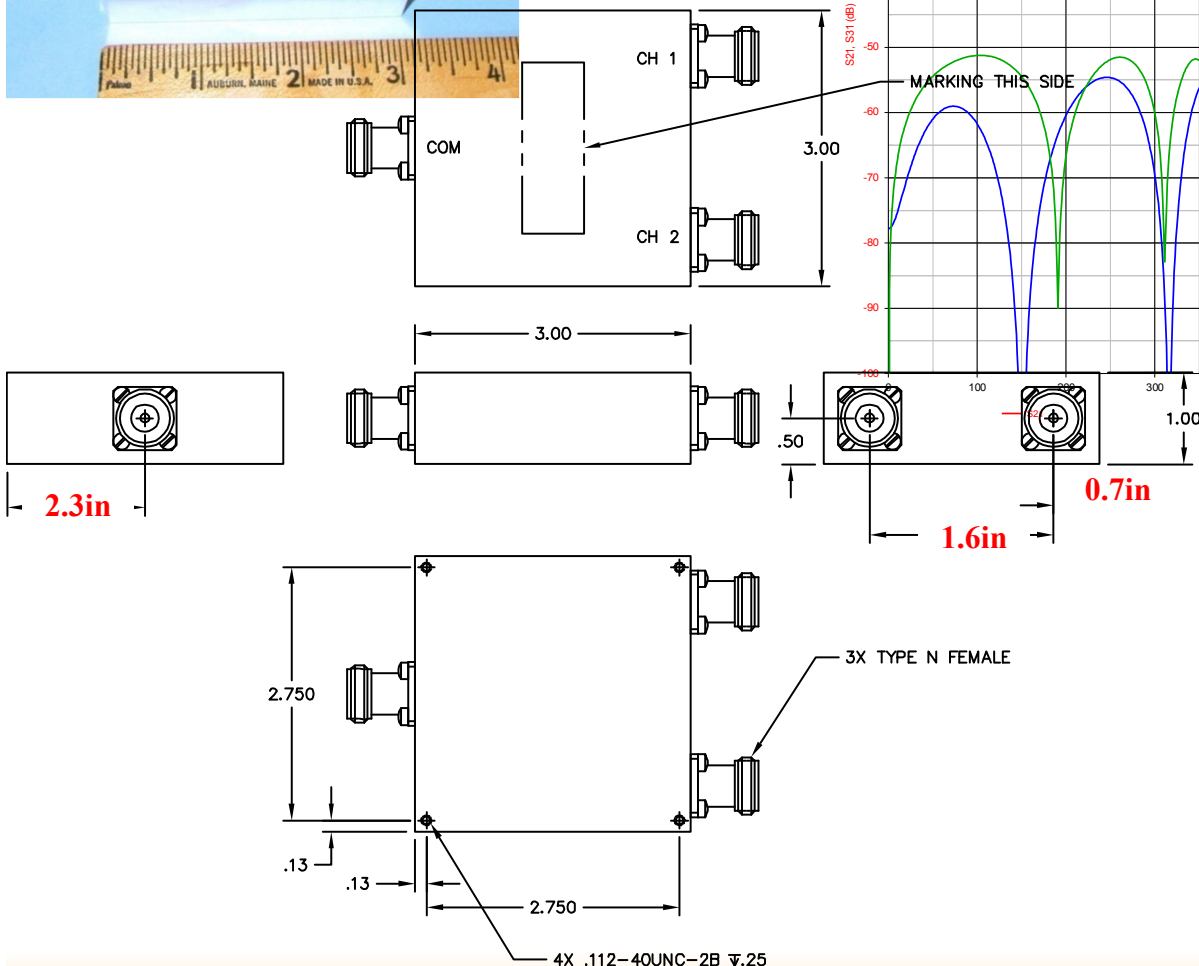
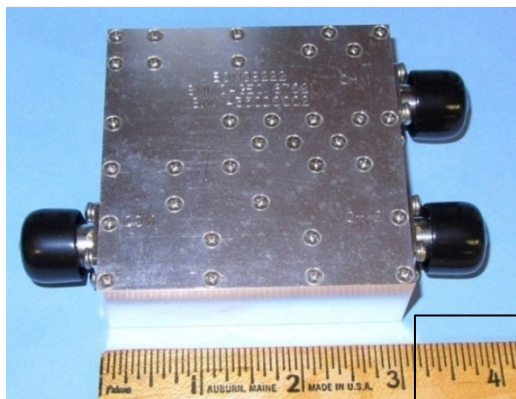
4. ENVIRONMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE RANGE = 0 TO +85°C
 STORAGE TEMPERATURE RANGE = -20°C TO +85°C

CHANNEL 2:

PASSBAND = 225 TO 450 MHz MIN
 I.L. = 1.0 dB MAX OVER THE PASSBAND
 VSWR = 1.5:1 MAX OVER THE ENTIRE PASSBAND (REF 50 OHMS)
 POWER HANDLING = 25 WATTS C.W. MAX
 REJECTION = 60 dBc MIN FROM DC TO 90 MHz





NOTES:

- MATERIAL: AL AL₁
- FINISH: SILVER PLATE.
- ELECTRICAL SPECIFICATIONS:

CHANNEL 1:

- PASSBAND = 225 TO 400 MHz
- I.L. = 1.0 dB MAX OVER 225 TO 390 MHz
- I.L. = 1.25 dB MAX OVER 390 TO 400 MHz
- VSWR = 1.5:1 MAX OVER 225 TO 400 MHz (REF 50 OHMS)
- 40 dBc MIN FROM 420 TO 450 MHz
- INPUT POWER = 100 WATTS C.W. (WITHIN THE PASSBAND ONLY)

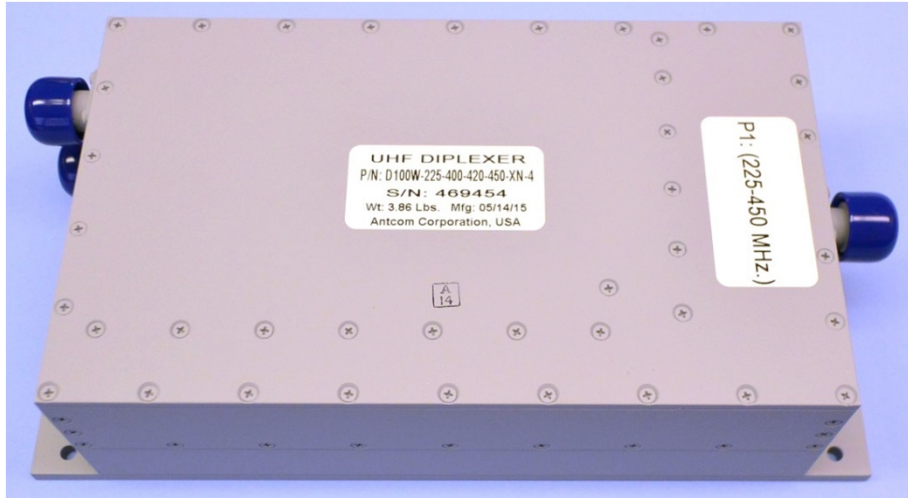
4. ENVIRONMENTAL SPECIFICATIONS:

- TEMPERATURE RANGE = 0 TO +60°C

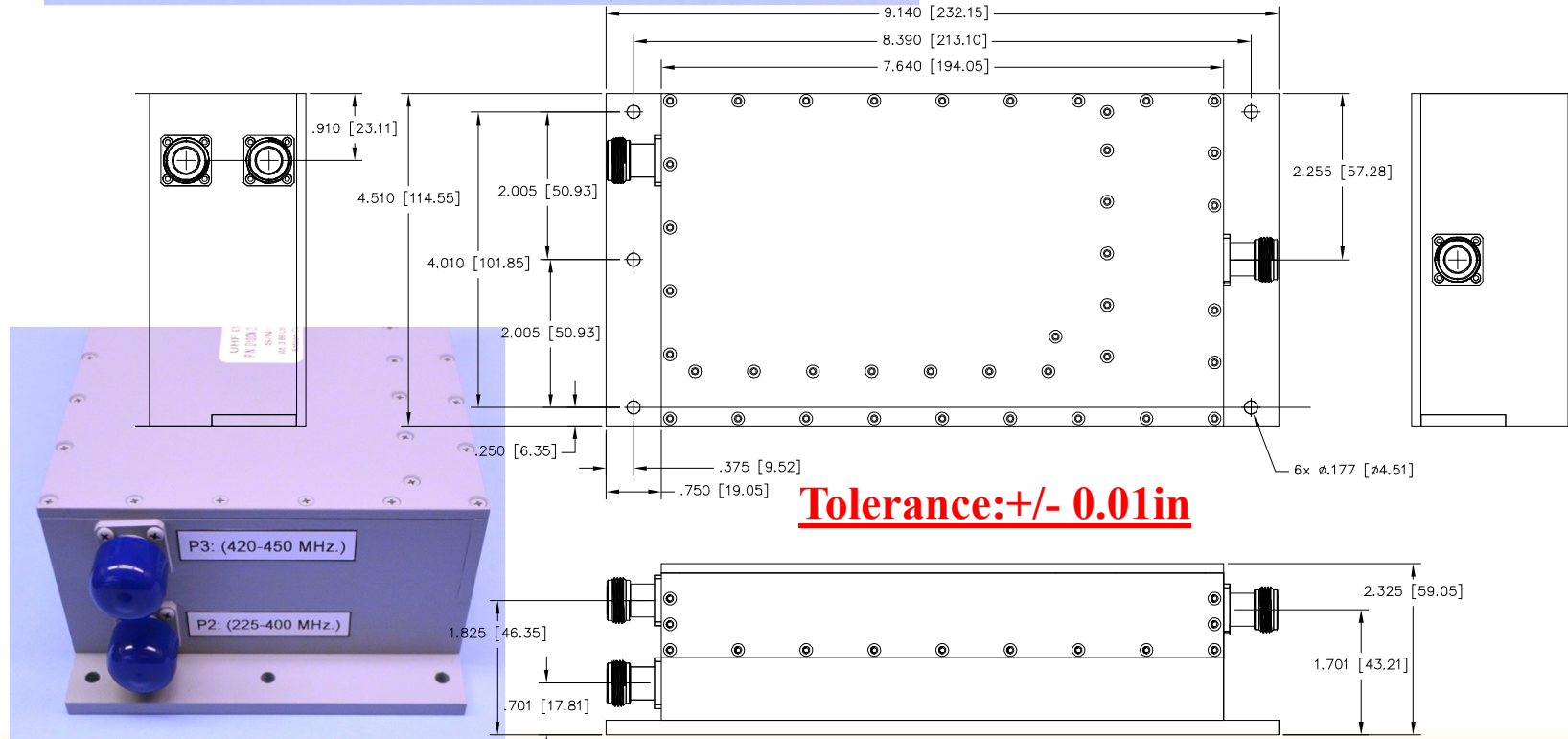
CHANNEL 2:

- PASSBAND = 420 TO 450 MHz
- I.L. = 1.0 dB MAX OVER 430 TO 450 MHz
- I.L. = 1.25 dB MAX OVER 420 TO 430 MHz
- VSWR = 1.5:1 MAX OVER 420 TO 450 MHz (REF 50 OHMS)
- 40 dBc MIN FROM 225 TO 400 MHz
- INPUT POWER = 100 WATTS C.W. (WITHIN THE PASSBAND ONLY)

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	Port 1 to Port 2	Port 1 to Port 3
Pass Band Frequency:	225 to 400MHz	420 to 450MHz
Pass Band Loss	1dB max	1dB max
Pass Band VSWR	1.5:1 max	1.5:1 max
Impedance	50 Ohms	50 Ohms
Rejection Frequency	420 to 450MHz	225 to 400MHz
Rejection	40 dB min	40 dB min
Power	100 Watts CW max	100 Watts CW max
Weight	<3.9lbs	
Finish	Gray Teflon Coating	
Material	Aluminum Alloy 6061-T6	
Connector	N Female	
Leakage	Hermetically sealed	
Temperature	-68° C to +85° C Operational -68° C to +150° C Storage	





FAA Approved Facility

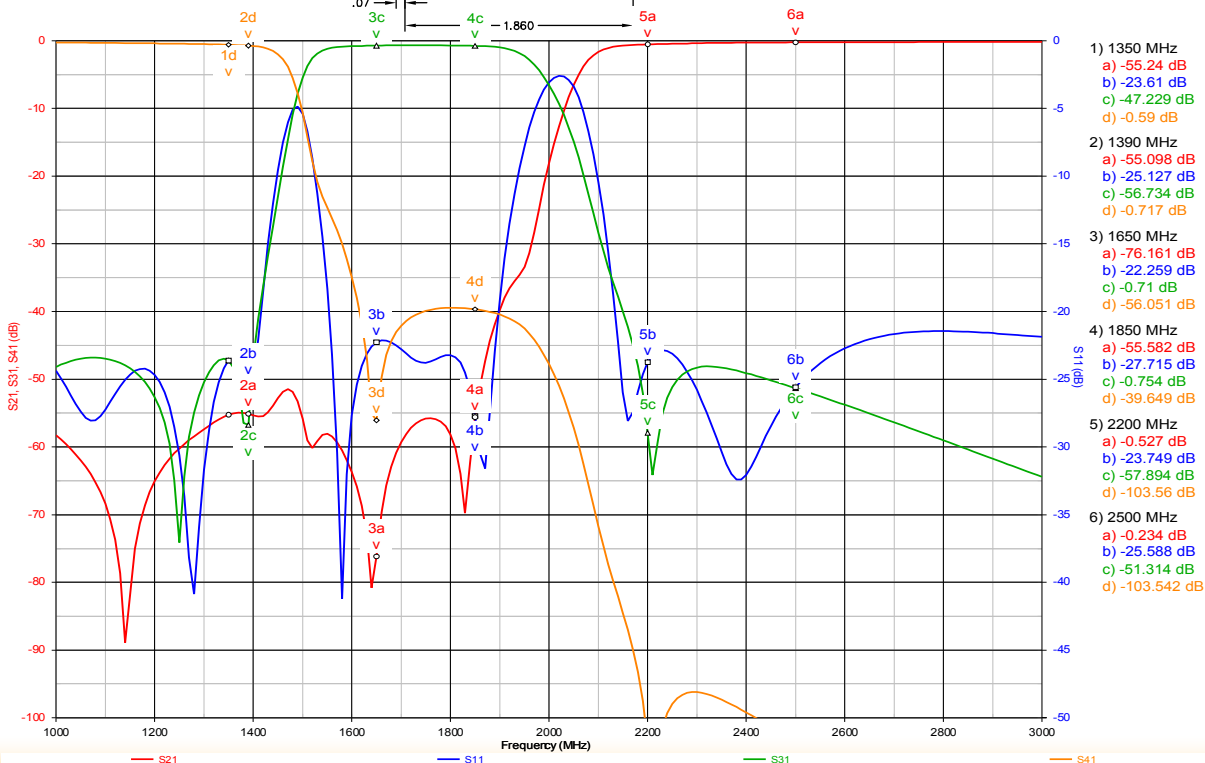
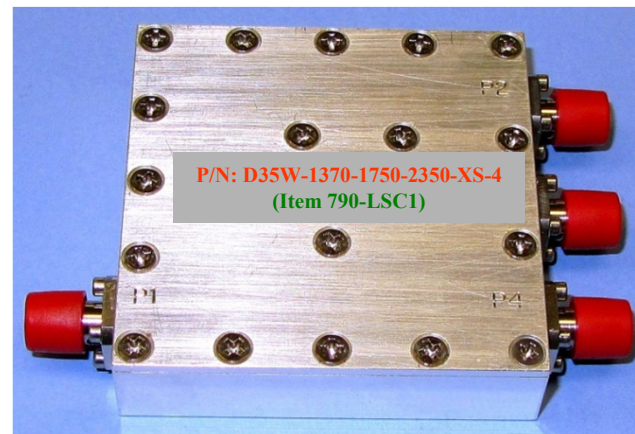
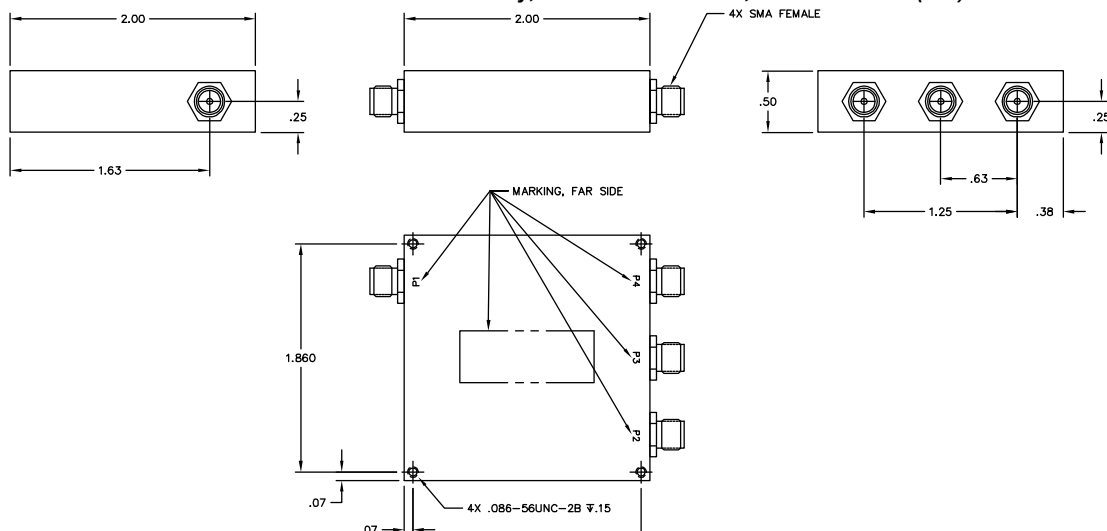
L/S/C1-Band Triplexer

Antcom's P/N: D35W-1370-1750-2350-XS-4



Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

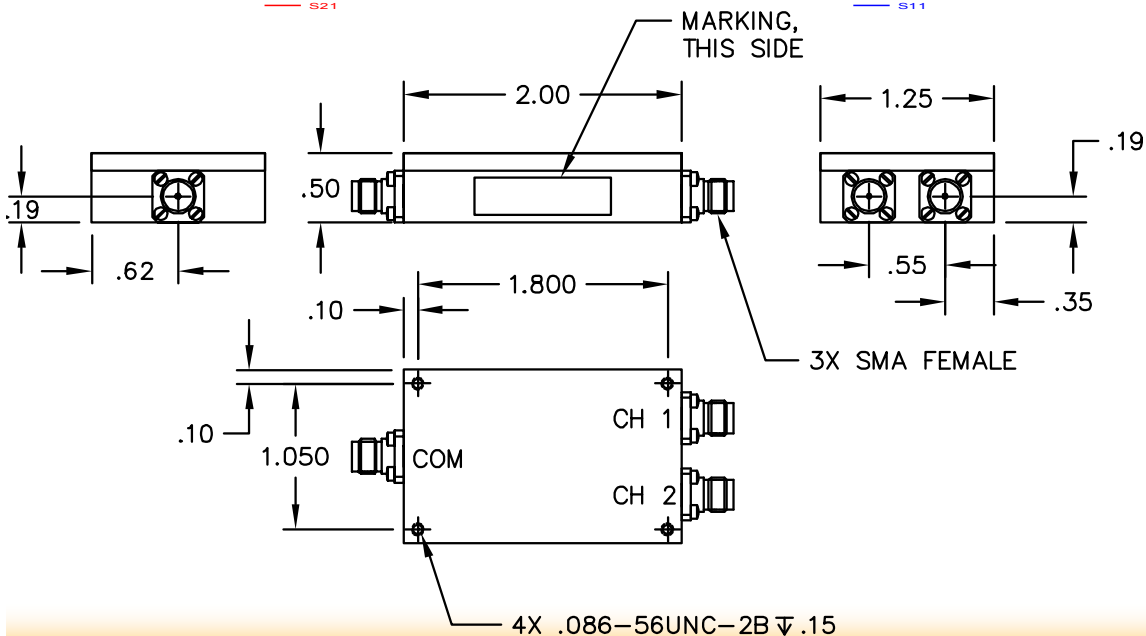
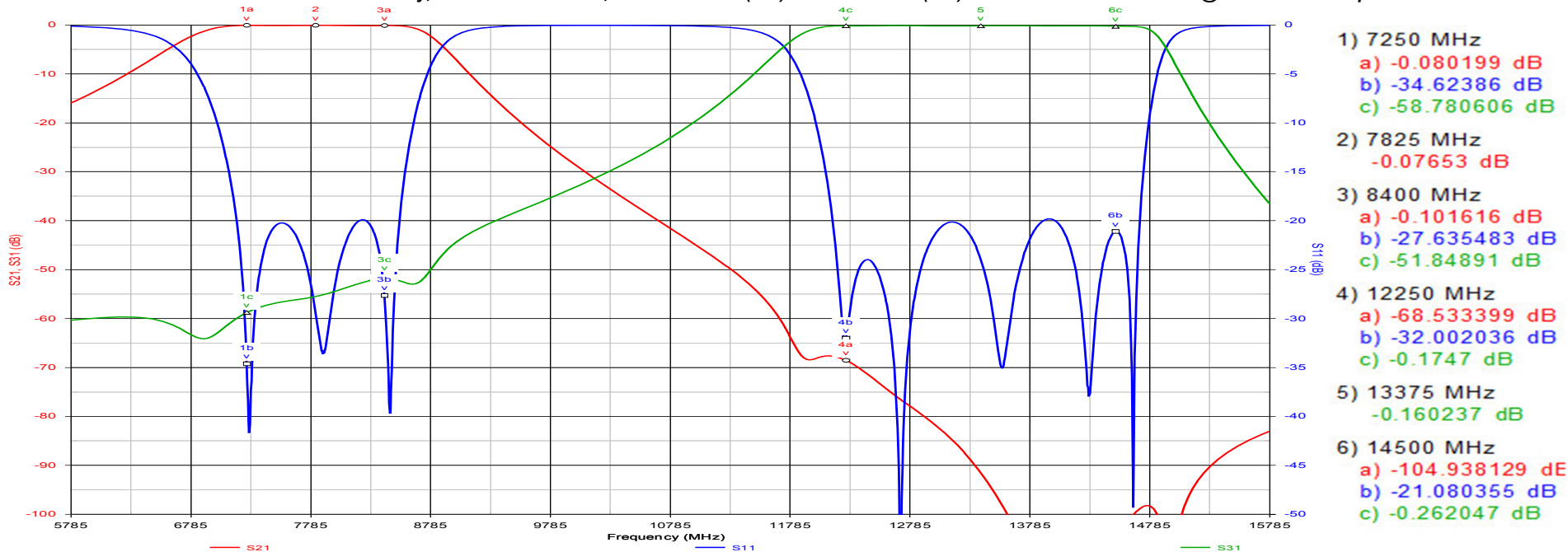
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NOTES:

- MATERIAL: AL ALY.
- FINISH: SILVER PLATE.
- ELECTRICAL SPECIFICATIONS:
 - CHANNEL P2:**
 - PASSBAND = 1350 TO 1390 MHz
 - PASSBAND I.L. = 1.0 dB MAX FROM 1350 TO 1390 MHz
 - PASSBAND VSWR = 2:1 MAX
 - 24 dBc MIN FROM 1650 TO 1850 MHz
 - CHANNEL P3:**
 - PASSBAND = 1650 TO 1850 MHz
 - PASSBAND I.L. = 1.0 dB MAX FROM 1650 TO 1850 MHz
 - PASSBAND VSWR = 2:1 MAX
 - 24 dBc MIN FROM 1350 TO 1390 MHz AND FROM 2200 TO 2500 MHz
 - CHANNEL P4:**
 - PASSBAND = 2200 TO 2500 MHz
 - PASSBAND I.L. = 1.0 dB MAX FROM 2200 TO 2500 MHz
 - PASSBAND VSWR = 2:1 MAX
 - 24 dBc MIN FROM 1650 TO 1850 MHz
- ENVIRONMENTAL SPECIFICATIONS:
 - OPERATING TEMPERATURE RANGE: 0° TO +60°C.
 - NON-OPERATING TEMPERATURE RANGE: -40° TO +85°C.
 - VIBRATION: MIL-STD-810F, METHOD 514.5, PROCEDURE I, CATEGORY 2, SHIPPING AND HANDLING.
 - SHOCK: MIL-STD-810F, METHOD 516.5, PROCEDURE VI

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NOTES:

- MATERIAL: AL ALY.
- FINISH: SILVER PLATE.
- ELECTRICAL SPECIFICATIONS:
 - CHANNEL 1:**
 - PASSBAND = 7.25 TO 8.4 GHz
 - I.L. = 0.5 dB MAX OVER ENTIRE PASSBAND
 - VSWR = 1.5:1 MAX OVER ENTIRE PASSBAND (REF 50 OHMS)
 - 30 dBc MIN FROM 12.25 TO 14.50 GHz
 - POWER HANDLING = 1 WATT MAX WITHIN THE PASSBAND
 - CHANNEL 2:**
 - PASSBAND = 12.25 TO 14.50 GHz
 - I.L. = 0.5 dB MAX OVER ENTIRE PASSBAND
 - VSWR = 1.5:1 MAX OVER ENTIRE PASSBAND (REF 50 OHMS)
 - 30 dBc MIN FROM 7.25 TO 8.4 GHz
 - POWER HANDLING = 1 WATT MAX WITHIN THE PASSBAND ONLY
- ENVIRONMENTAL SPECIFICATIONS:
 - OPERATING TEMPERATURE RANGE = 0°C TO +60°C
 - STORAGE TEMPERATURE RANGE = 0°C TO +60°C

NOTES:

1. MATERIAL: AL ALY.
2. FINISH: BLACK EPOXY PAINT OVER SILVER PLATE. ALL SURFACES ARE TO BE PAINTED EXCEPT CONNECTORS AND MOUNTING HOLES.

3. ELECTRICAL SPECIFICATIONS:

CHANNEL 1

PASSBAND = 116 TO 150 MHz MIN
 PASSBAND FLATNESS = 1.5 dB MAX
 I.L. = 1.5 dB MAX OVER THE ENTIRE PASSBAND
 VSWR = 2.0:1 MAX OVER THE ENTIRE PASSBAND (REF 50 OHMS)
 STOPBAND = 25 dBc MIN @ 160 MHz
 POWER HANDLING = 35 WATTS MAX WITHIN THE PASSBAND ONLY

CH 1 AND CH 2 CROSSOVER = 6.5 dB MAX @ 138 +1% MHz

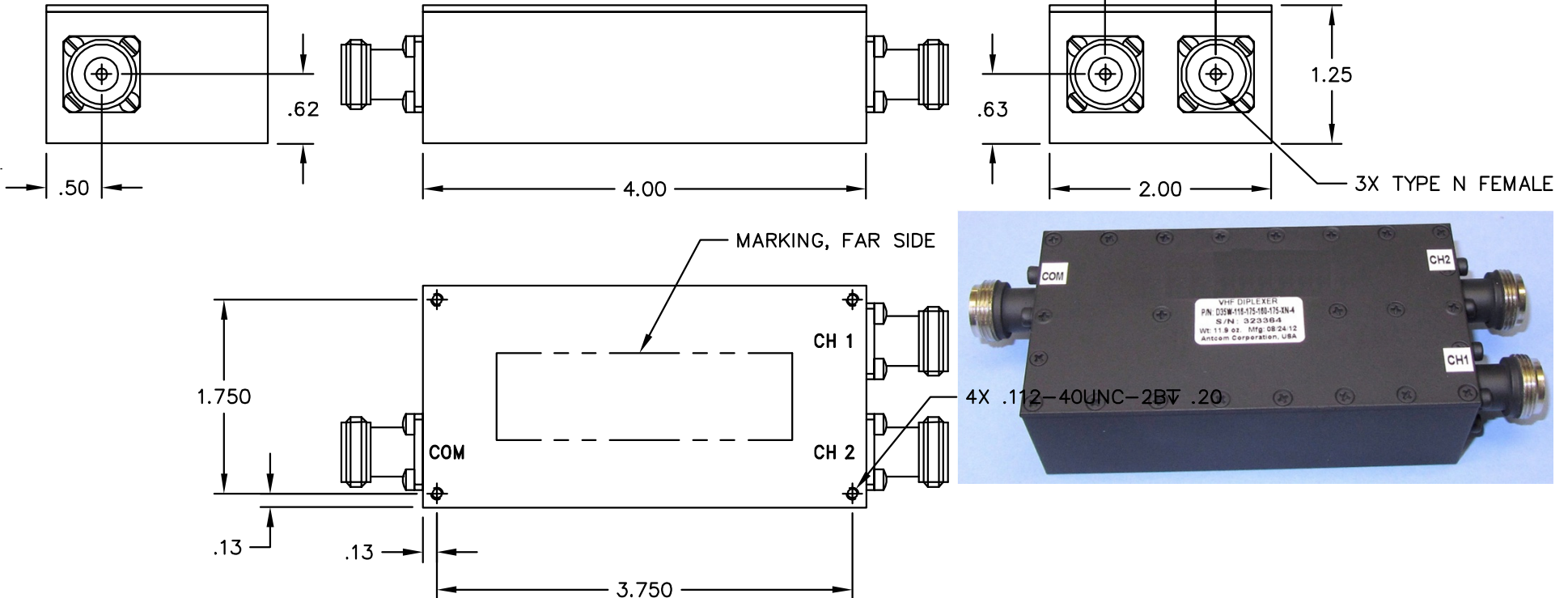
CHANNEL 2

PASSBAND = 160 TO 175 MHz MIN
 PASSBAND FLATNESS = 1.5 dB MAX
 I.L. = 1.5 dB MAX OVER THE ENTIRE PASSBAND
 VSWR = 2.0:1 MAX OVER THE ENTIRE PASSBAND (REF 50 OHMS)
 STOPBAND = 25 dBc MIN @ 150 MHz
 POWER HANDLING = 35 WATTS MAX WITHIN THE PASSBAND ONLY

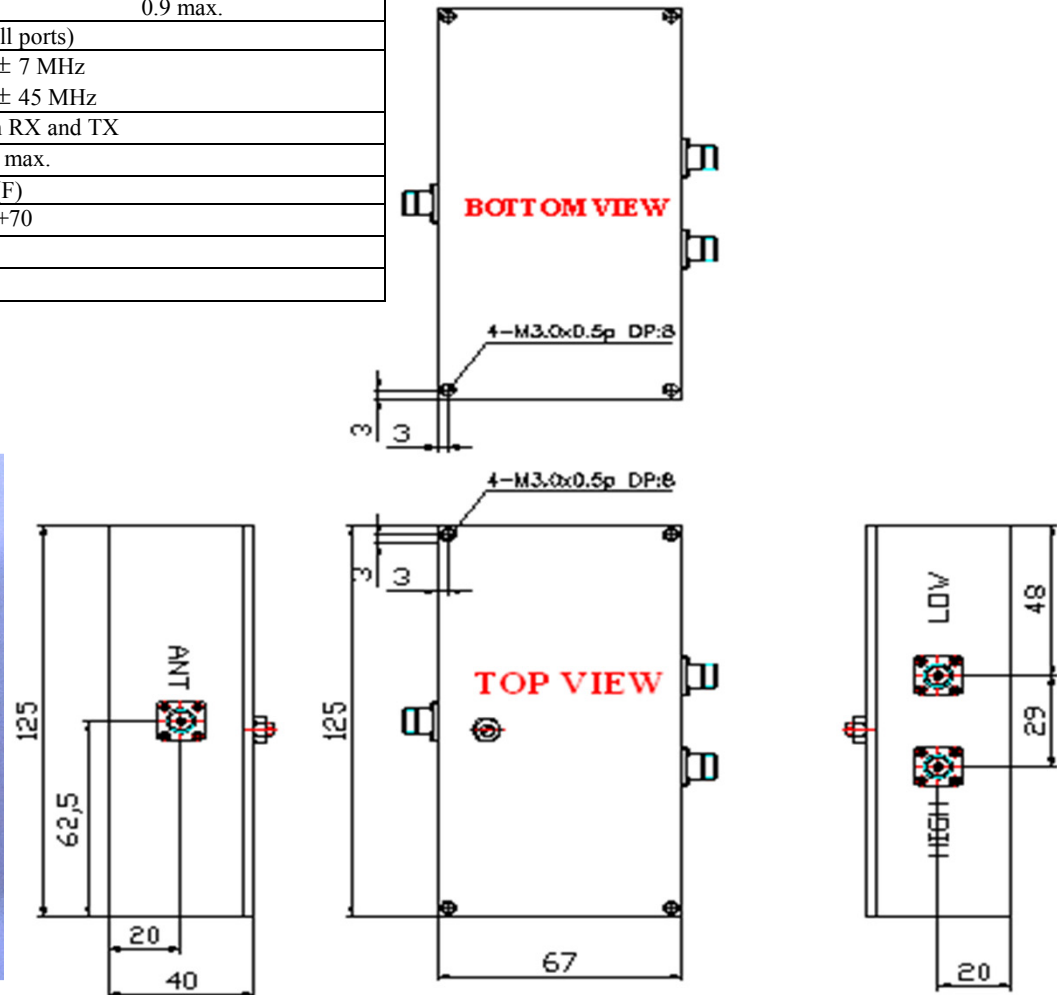
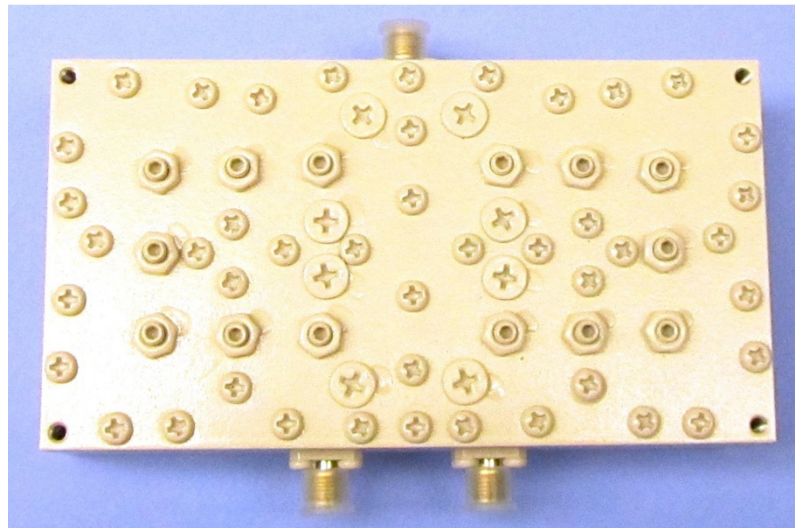
4. ENVIRONMENTAL SPECIFICATIONS:

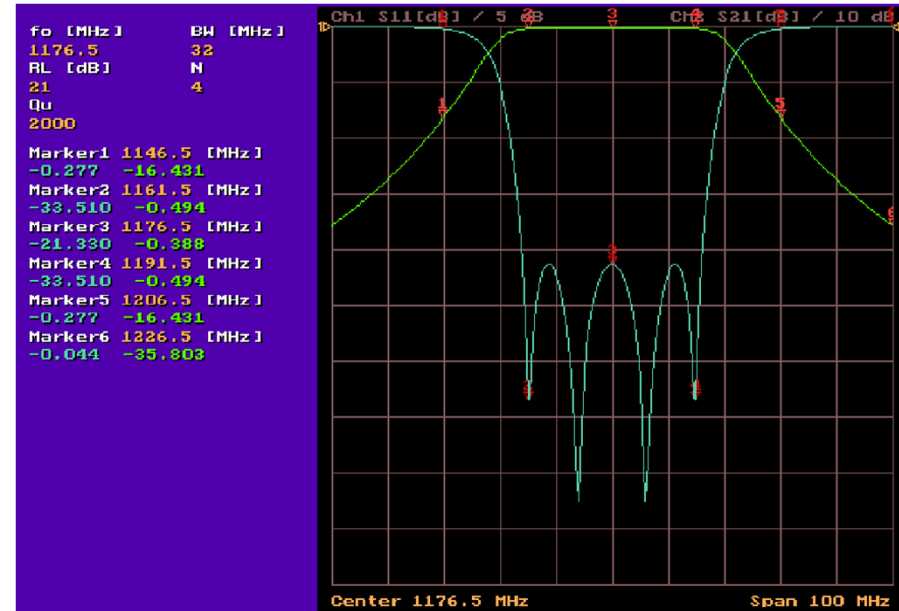
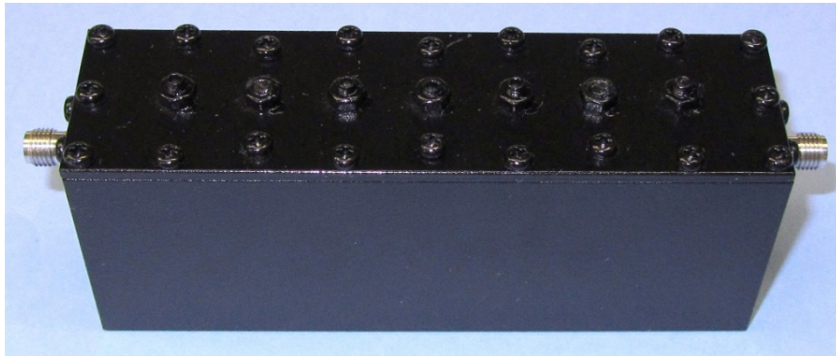
OPERATING TEMPERATURE RANGE: -55°C TO +85°C

STORAGE TEMPERATURE RANGE: -55°C TO +85°C



Parameter	Unit	Specification	
		LOW	HIGH
Center Frequency	MHz	2100	2250
Frequency Range	MHz	2095-2105	2245-2250
Insertion Loss	dB	0.9 max.	0.9 max.
Return Loss	dB	18 min.(at all ports)	
Rejection	dB	6 max @ Fc± 7 MHz	
		40 max @ Fc± 45 MHz	
Isolation	dB	35 min. Between RX and TX	
Input Power	W	20W CW max.	
Connector	-	SMA (F)	
Temp Range	°C	-20 ~ +70	
In/ Out Impedance	ohm	50	



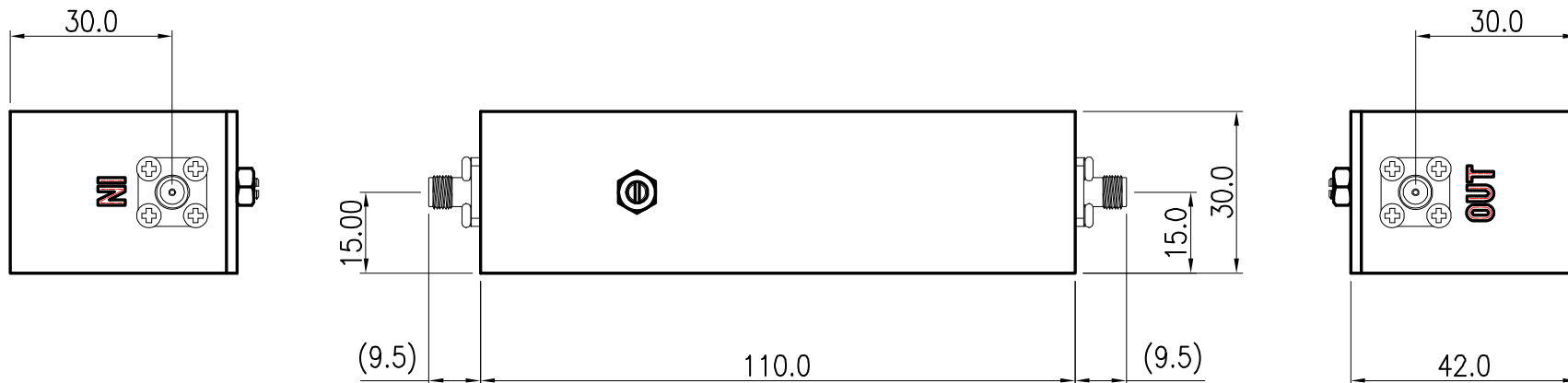


1.0 Materials :

- Housing : Silver Plated 6061-T6 Aluminum
- Conector Body : Ternary alloy Plated Brass
- Conector center contact : Gold Plated Beryllium Copper
- Conector insulator : PTFE

2.0 Other Specification :

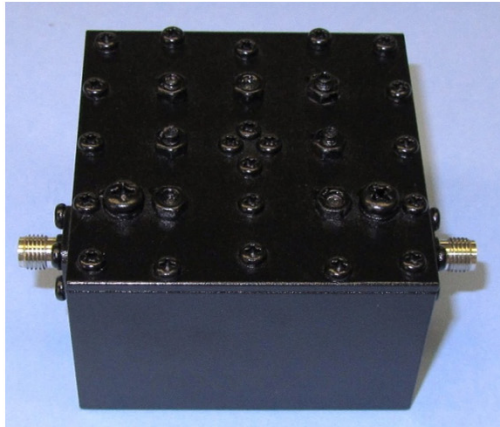
- SMA Female Connectors : Mates With MIL-STD-348



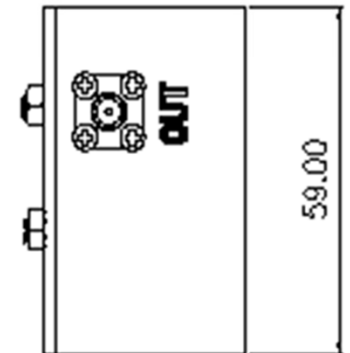
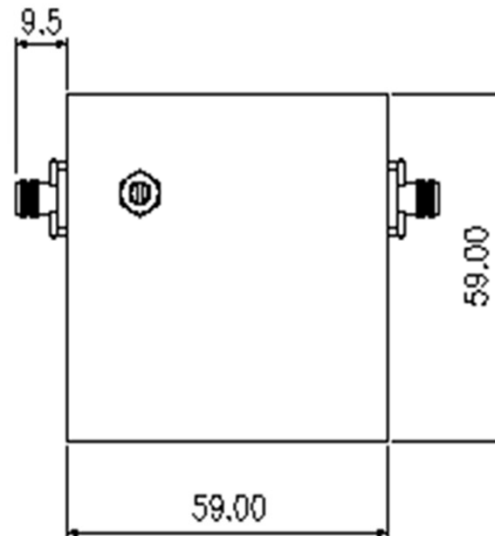
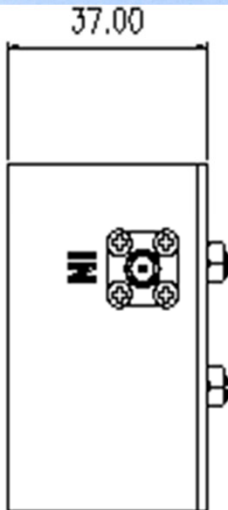
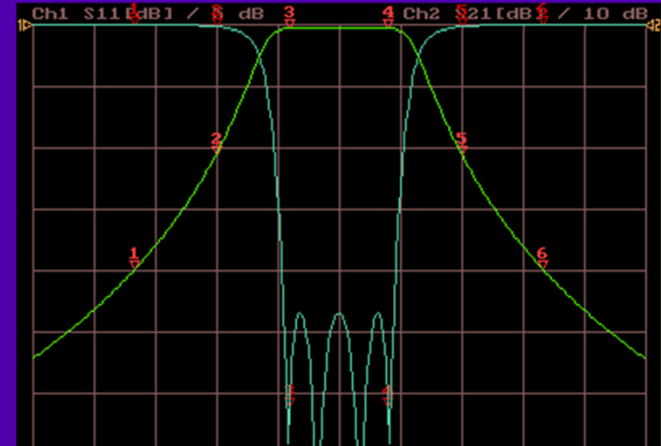
S-Band Filter

Antcom's P/N: CBF-2493-XS-4

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fo [MHz]	BW [MHz]
2492.03	27
RL [dB]	N
23	4
Qu	
3250	
Marker1	2442.03 [MHz]
	-0.050 -39.974
Marker2	2462.03 [MHz]
	-0.211 -21.132
Marker3	2480.03 [MHz]
	-31.150 -0.667
Marker4	2504.03 [MHz]
	-31.150 -0.667
Marker5	2522.03 [MHz]
	-0.211 -21.132
Marker6	2542.03 [MHz]
	-0.050 -39.974



1.0 Materials :

- Housing : Silver Plated 6061-T6 Aluminum
- Connector Body : Ternary alloy Plated Brass
- Connector center contact : Silver Plated Beryllium Copper
- Connector insulator : PTFE

2.0 Other Specification :

- SMA Female Connectors : Mates With MIL-STD-348
- Finish : Painting Black

CHANNEL 1:

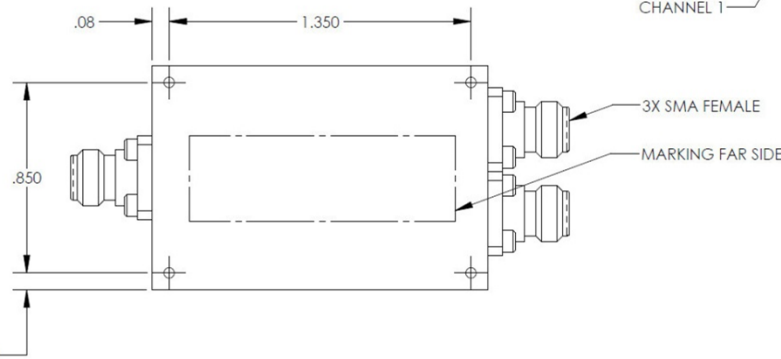
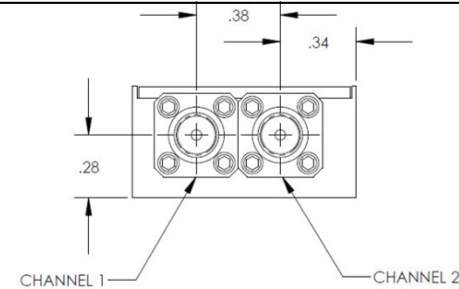
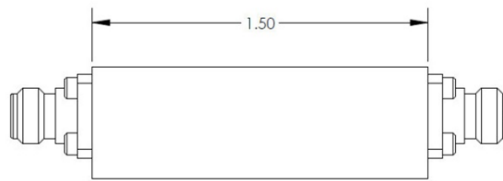
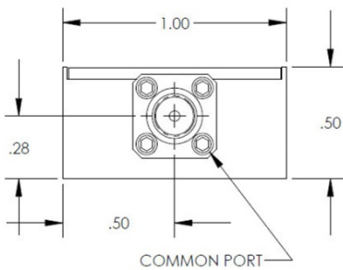
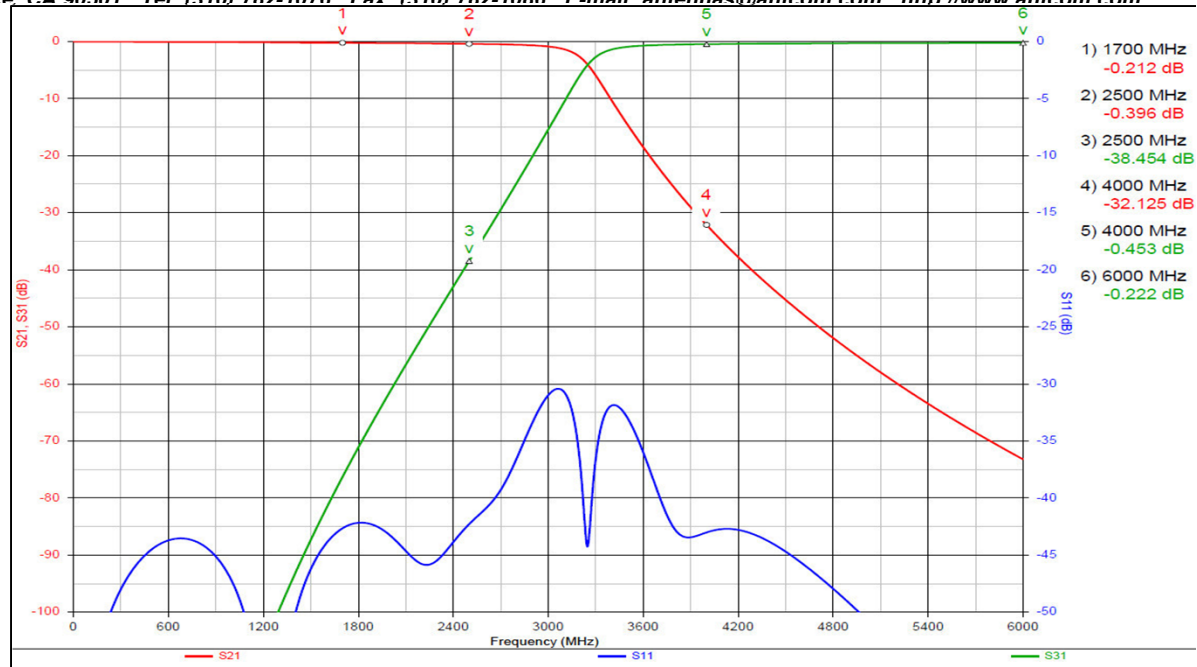
PASSBAND = 1700 MHz TO 2500 MHz MIN
 PASSBAND I.L. = 1.0 dB MAX
 PASSBAND VSWR = 1.5:1 MAX (REF 50 Ω)
 POWER = 1 W MAX C.W.
 25 dBc MIN FROM 4000 MHz TO 6000 MHz

CHANNEL 2:

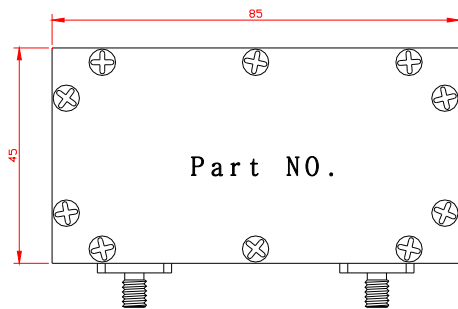
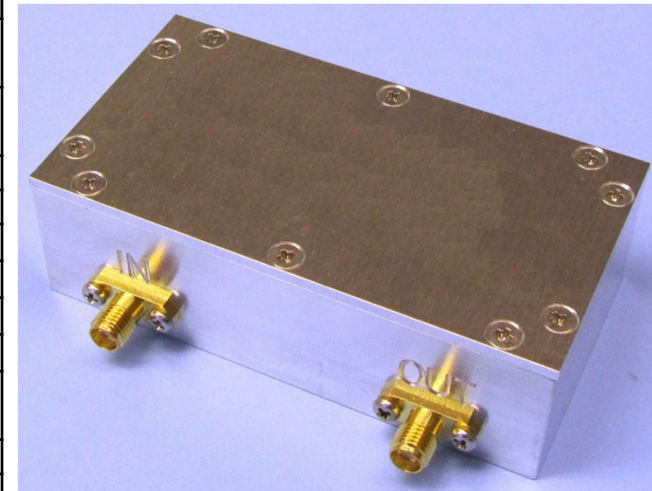
PASSBAND = 4000 MHz TO 6000 MHz MIN
 PASSBAND I.L. = 1.0 dB MAX
 PASSBAND VSWR = 1.5:1 MAX (REF 50 Ω)
 POWER = 1 W MAX C.W.
 25 dBc MIN FROM 1700 MHz TO 2500 MHz

NOTES:

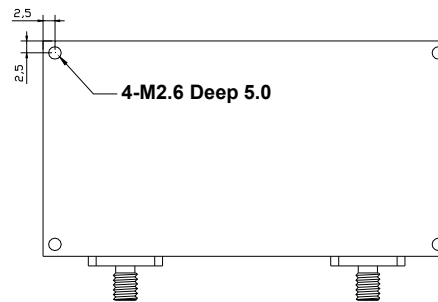
1. MATERIAL: AL ALY.
2. FINISH: SILVER PLATED.



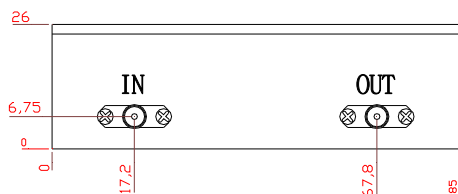
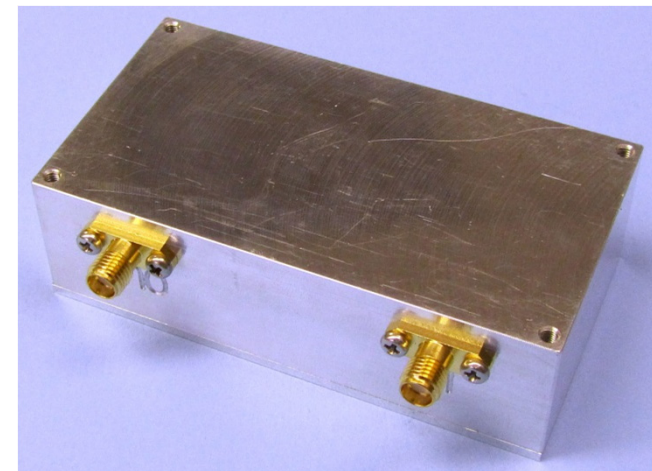
Parameter	Unit	Specification
Center Frequency	M Hz	710
3dB Bandwidth	M Hz	704~716
IL (max.)	dB	3.0
Return Loss (min.)	dB	15
Attenuation (min.)	dB	30 @ 699 MHz
Attenuation (min.)	dB	65 @ 695 MHz
Attenuation (min.)	dB	30 @ 721 MHz
Attenuation (min.)	dB	75 @ 726 MHz
In / Out Impedance	Ohm	50
Operating Temp.	°C	-30 ~80



Top Side



Bottom Side



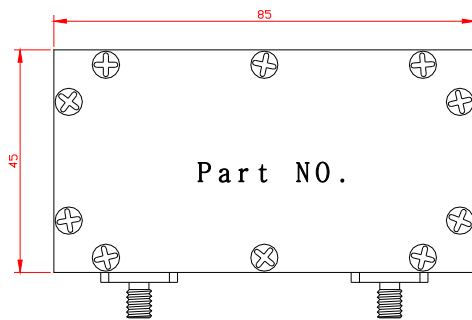
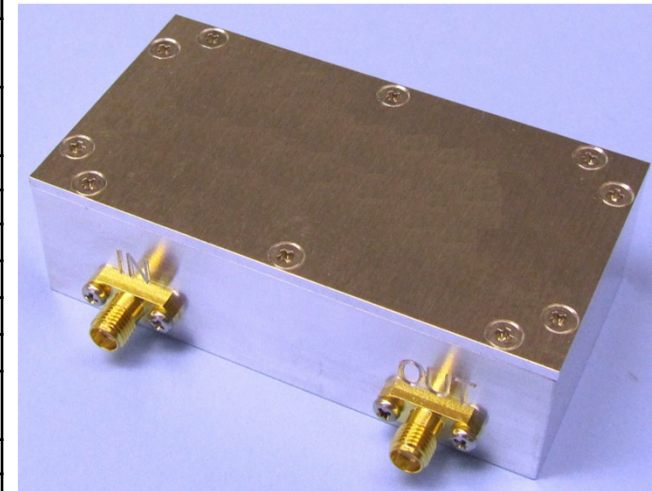
Front Side



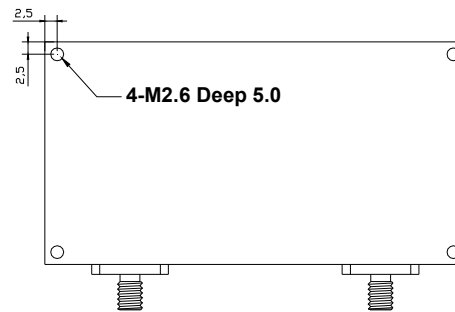
Right Side

Unit : mm
Tolerance unless
otherwise specified : ±0.2

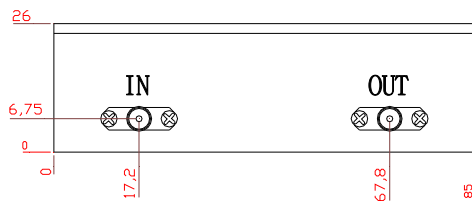
Parameter	Unit	Specification
Center Frequency	M Hz	725
3dB Bandwidth	M Hz	704~746
IL (max.)	dB	3.0
Return Loss (min.)	dB	15
Attenuation (min.)	dB	30 @ 699 MHz
Attenuation (min.)	dB	65 @ 695 MHz
Attenuation (min.)	dB	30 @ 751 MHz
Attenuation (min.)	dB	65 @ 756 MHz
In / Out Impedance	Ohm	50
Operating Temp.	°C	-30 ~80



Top Side



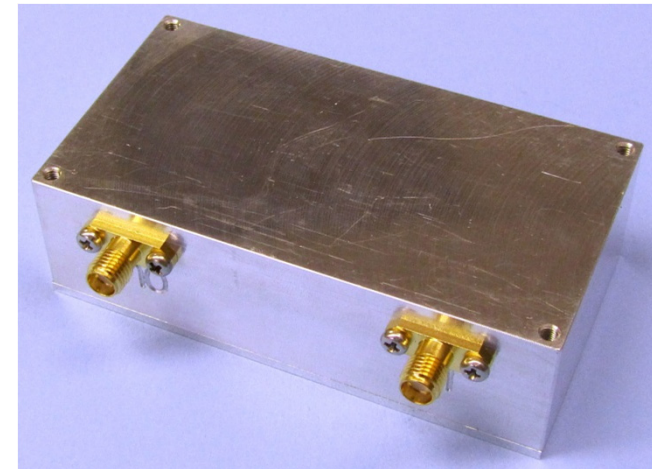
Bottom Side



Front Side

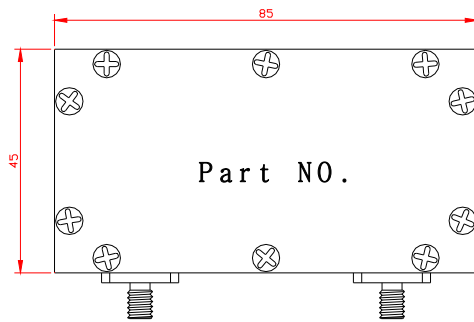
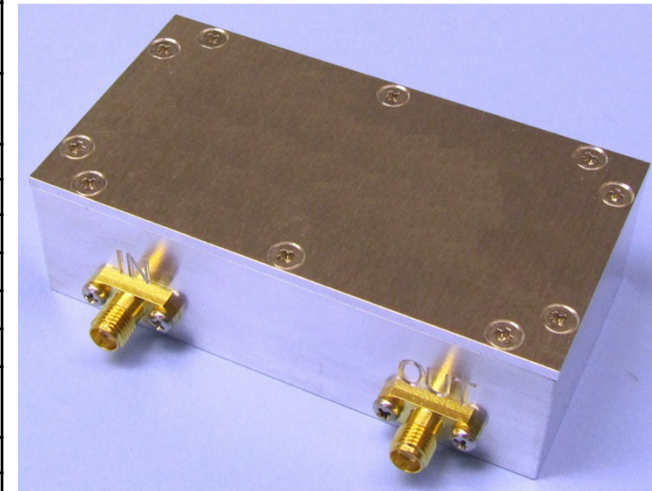


Right Side

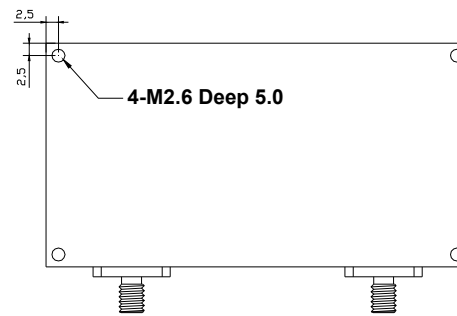


Unit : mm
Tolerance unless
otherwise specified : ±0.2

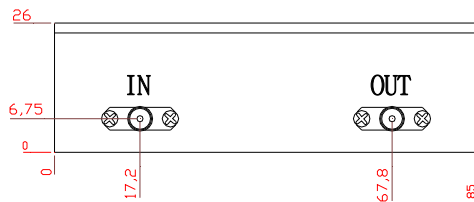
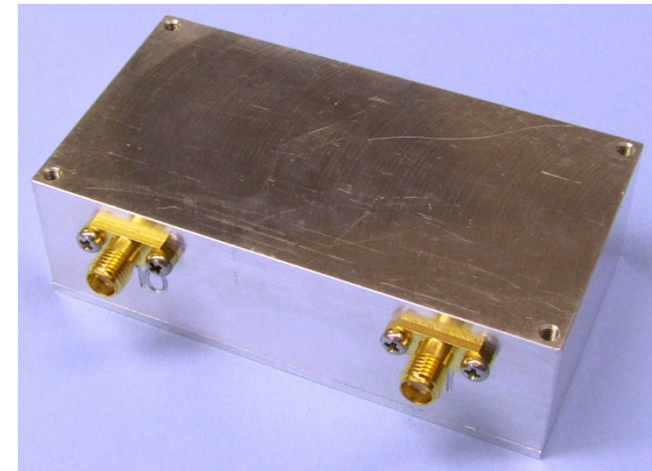
Parameter	Unit	Specification
Center Frequency	M Hz	740
3dB Bandwidth	M Hz	734~746
IL (max.)	dB	3.0
Return Loss (min.)	dB	15
Attenuation (min.)	dB	30 @ 729 MHz
Attenuation (min.)	dB	75 @ 724 MHz
Attenuation (min.)	dB	30 @ 751 MHz
Attenuation (min.)	dB	65 @ 756 MHz
In / Out Impedance	Ohm	50
Operating Temp.	°C	-30 ~80



Top Side



Bottom Side



Front Side



Right Side

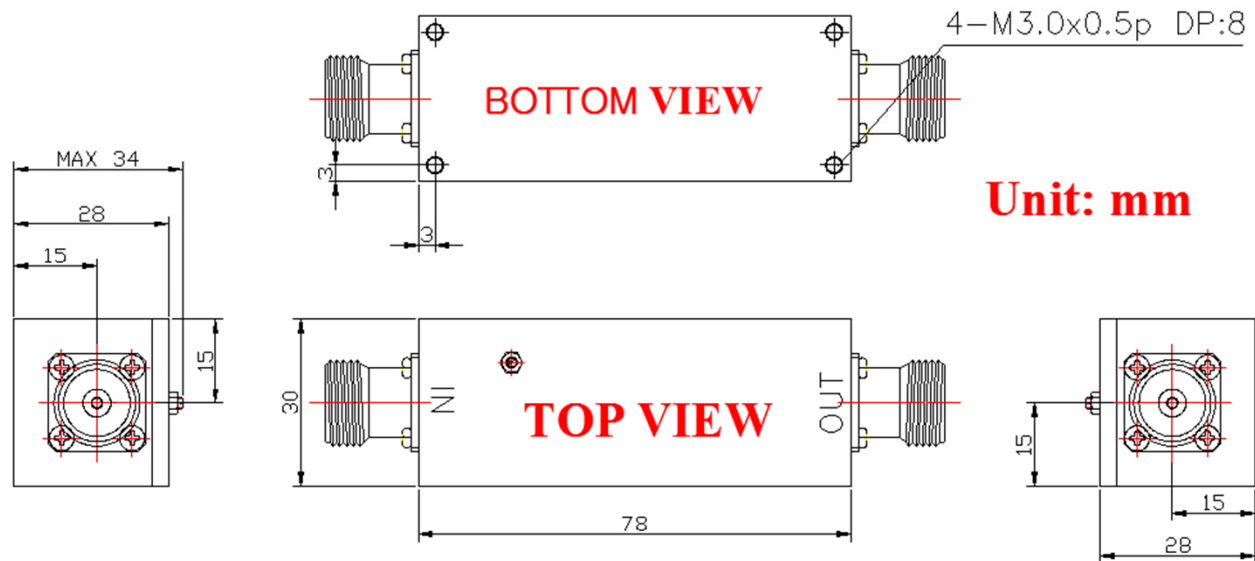
Unit : mm
Tolerance unless
otherwise specified : ±0.2

2.3GHz Cavity Filter

Antcom's P/N: 790-2.3-Filter

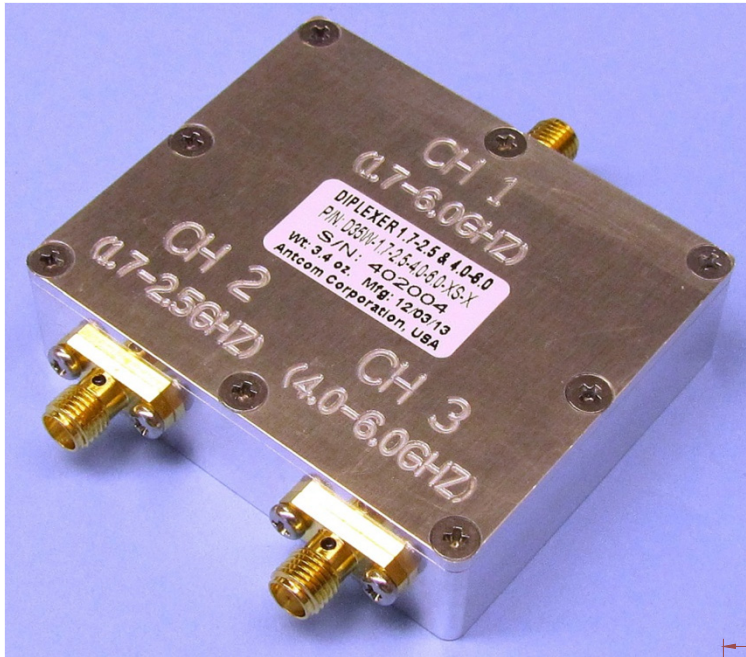
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Parameter	Unit	Specification
Center Frequency	MHz	2300
Frequency Range	MHz	2200~2400
IL (max.)	dB	1.0
VSWR (max.)		1.5:1
Attenuation (min)	dB	50 @ 1800MHz
		50 @ 2800 MHz
In / Out Impedance	Ohm	50
Connector		N-Type (F)
Temperature Range	°C	-20 ~ +70
Input Power (max.)	W	20 max.

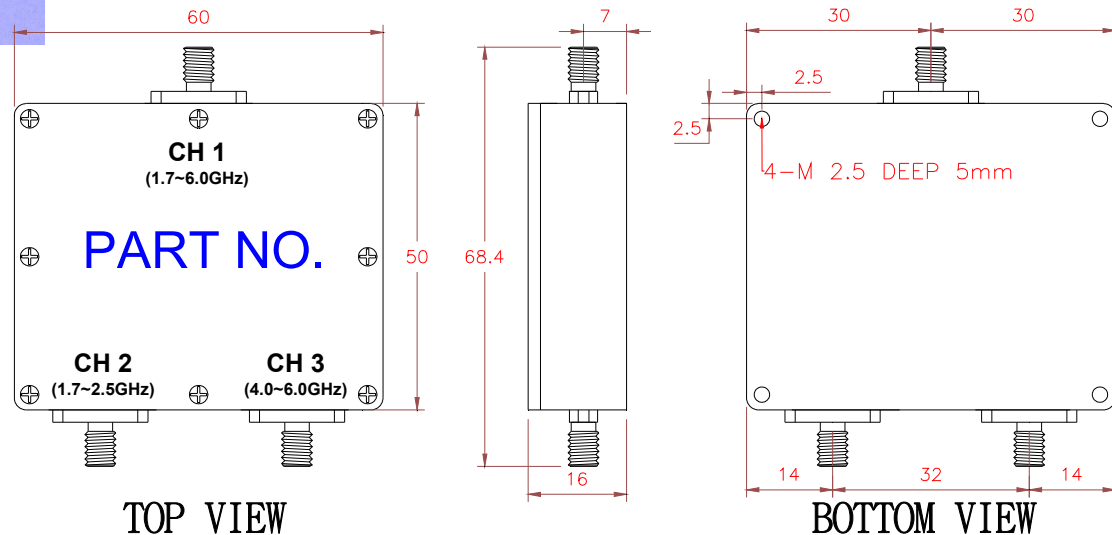


S/C-band LC Diplexer Antcom's P/N: 790-2.1-5.0-Filter

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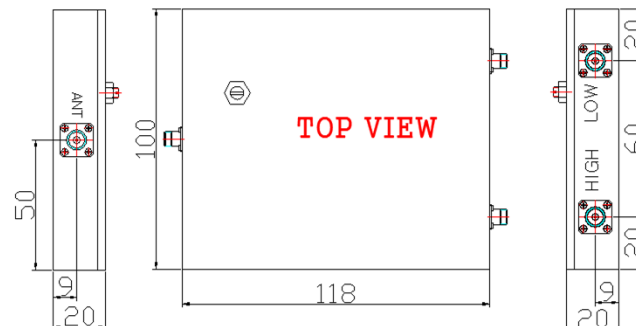
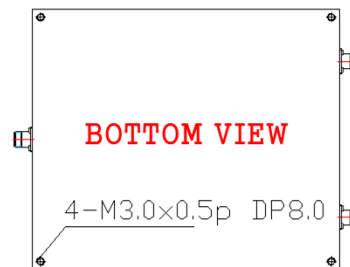
Parameter	Unit	Specification	
		CH2	CH3
Center Frequency	MHz	2100	5000
Pass Band	MHz	1700~2500	4000~6000
Insertion loss in BW (max)	dB	1.8	1.8
Attenuation (min)	dB	25 @ 4000~6000MHz	25 @ 1700~2500
Return Loss	dB	15.0	
Impedance	ohms	50	
Operating Temperature	°C	-40 ~ +85	
Connector		SMA(F)	



Unit : mm
Tolerance unless
otherwise specified : ± 0.2

Parameter	Unit	Specification	
		Low	High
Center Frequency	MHz	4675	5550
Frequency Range	MHz	4400 ~ 4950	5250 ~ 5850
Bandwidth	MHz	550	600
Insertion Loss at BW	dB	1.0 max.	
Flatness	dB	1.0 max.	
VSWRat BW	dB	1.5 max.	
Rejection	dBc	100.0min @ 5250MHz ~ 5850MHz	100.0min @ 4400 MHz ~ 4950 MHz
In / Out Impedance	Ω	50	
RF Power Capability	W	40 max.	
Connector	-	SMA(Female)	
Temperature Range	$^{\circ}\text{C}(\text{deg.})$	-40~ +85	
Altitude	-	40000ft	
Humidity	-	Up to non-Condensing 95%	
Vibration(g)	-	Plane usage	

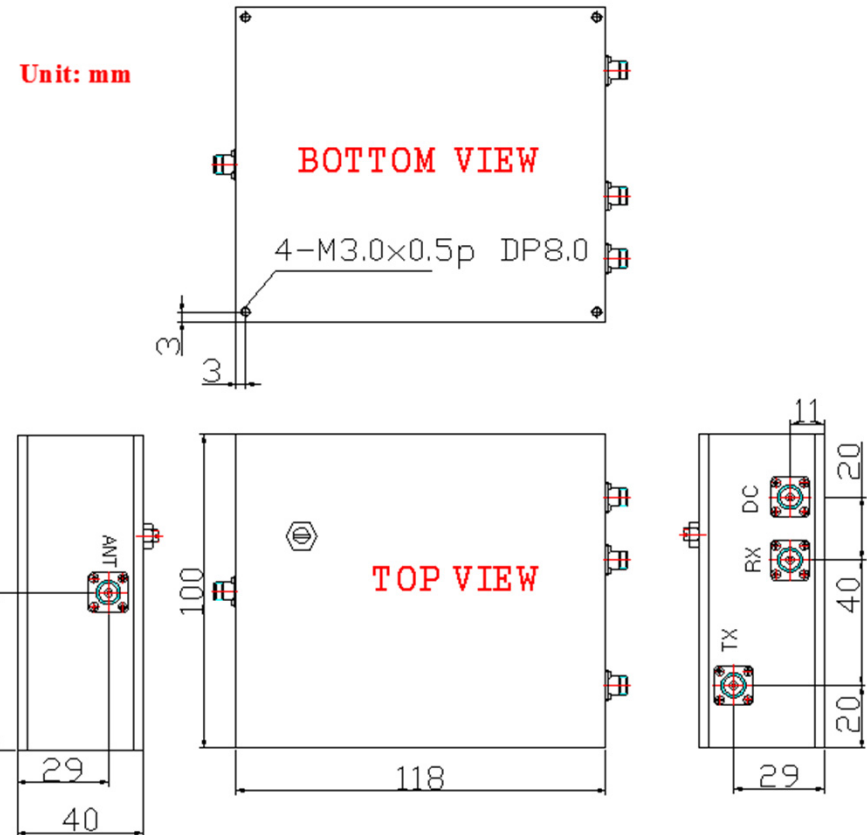
Unit: mm



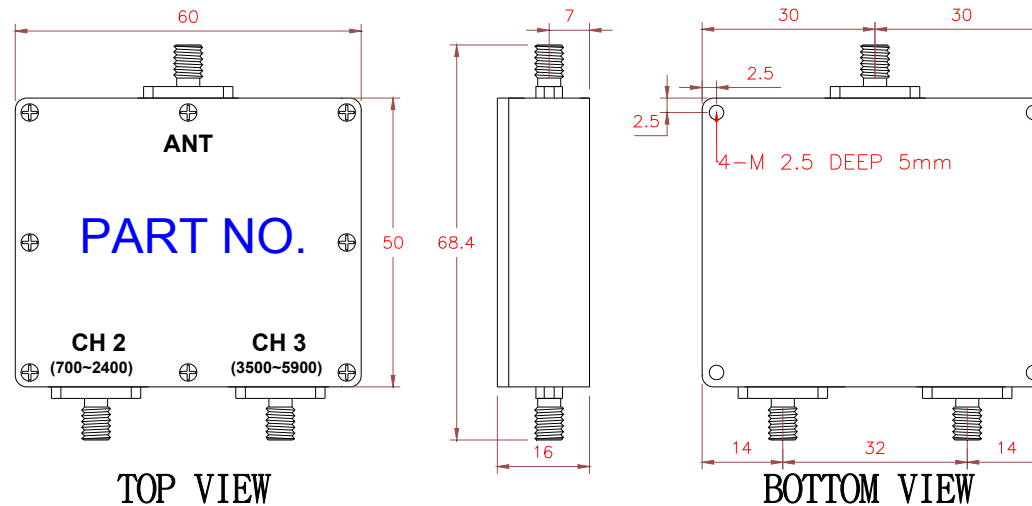
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Parameter	Unit	Specification	
		Low	High
Center Frequency	MHz	4675	5550
Frequency Range	MHz	4400 ~ 4950	5250 ~ 5850
Bandwidth	MHz	550	600
Insertion Loss at BW	dB	1.0 max.	
Flatness	dB	1.0 max.	
VSWRat BW	dB	1.5 max.	
Rejection	dBc	100.0min @ 5250MHz ~ 5850MHz	100.0min @ 4400 MHz ~ 4950 MHz
In / Out Impedance	Ω	50	
RF Power Capability	W	40 max.	
Connector	-	SMA(Female)	
Temperature Range	$^{\circ}\text{C}(\text{deg.})$	-40~ +85	
Altitude	-	40000ft	
Humidity	-	Up to non-Condensing 95%	
Vibration(g)	-	Plane usage	

Parameter	specification	Remark
Frequency Range	4400MHz ~ 4950MHz	
Gain	25dB	
Gain Flatness	3 dB	
Gain Variation	$\pm 1.5\text{dB}$	
Noise Figure	3.2dB Max	
Output Power	15dBm	
Max Input	-10dBm	ALC
P1dB	25dBm	Max Gain
OIP3	30dBm max()	CW Tone 10dBm x 2Tones
	40dBc	CW Tone 10dBm x 2Tones
Input Voltage	DC 7 $\pm 1.0\text{V}$	
Input Current	0.8A max	

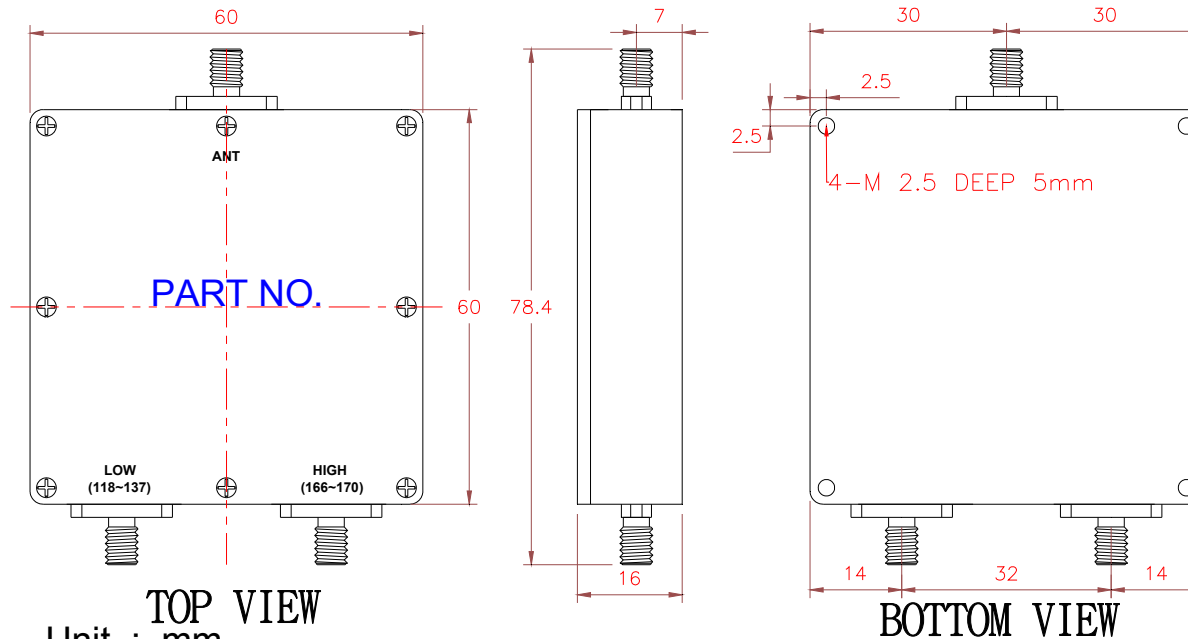


Parameter	Unit	Specification	
		CH2	CH3
Center Frequency	MHz	1750	4700
Pass Band	MHz	700~2400	3500~5900
Bandwidth	MHz	1700	2500
Insertion loss in BW (max)	dB	1.8	1.8
Isolation (min)	dB	50 @ 3500~5900MHz	50 @ 700~2400MHz
V.S.W.R	-	1.5:1	
Impedance	Ohms	50	
Power (max)	W	150	8
Operating Temperature	°C	-40 ~ +85	
waterproof		IP67	
Connector		SMA(F)	



Unit : mm
Tolerance unless
otherwise specified : ±0.2
Application : indoor/outdoor IP67
SMA(F)

Parameter	Unit	Specification	
		LOW	HIGH
Center Frequency	MHz	127.5	168
Pass Band	MHz	118~137	166~170
Insertion loss in BW (max)	dB	1.0	1.0
Attenuation (min)	dB	80[Typ 90] @ 166~170MHz	80[Typ 90] @ 118~137MHz
Return Loss (min)	dB	15.0	
Impedance	ohms	50	
Operating Temperature	°C	-30 ~ +70	
Connector		SMA(F)	
Power (max)	W	40	



TOP VIEW
 Unit : mm
 Tolerance unless
 otherwise specified : ± 0.2



FAA Approved Facility

60 watts VHF Cavity Diplexer Antcom's P/N: 790-133-167-Filter

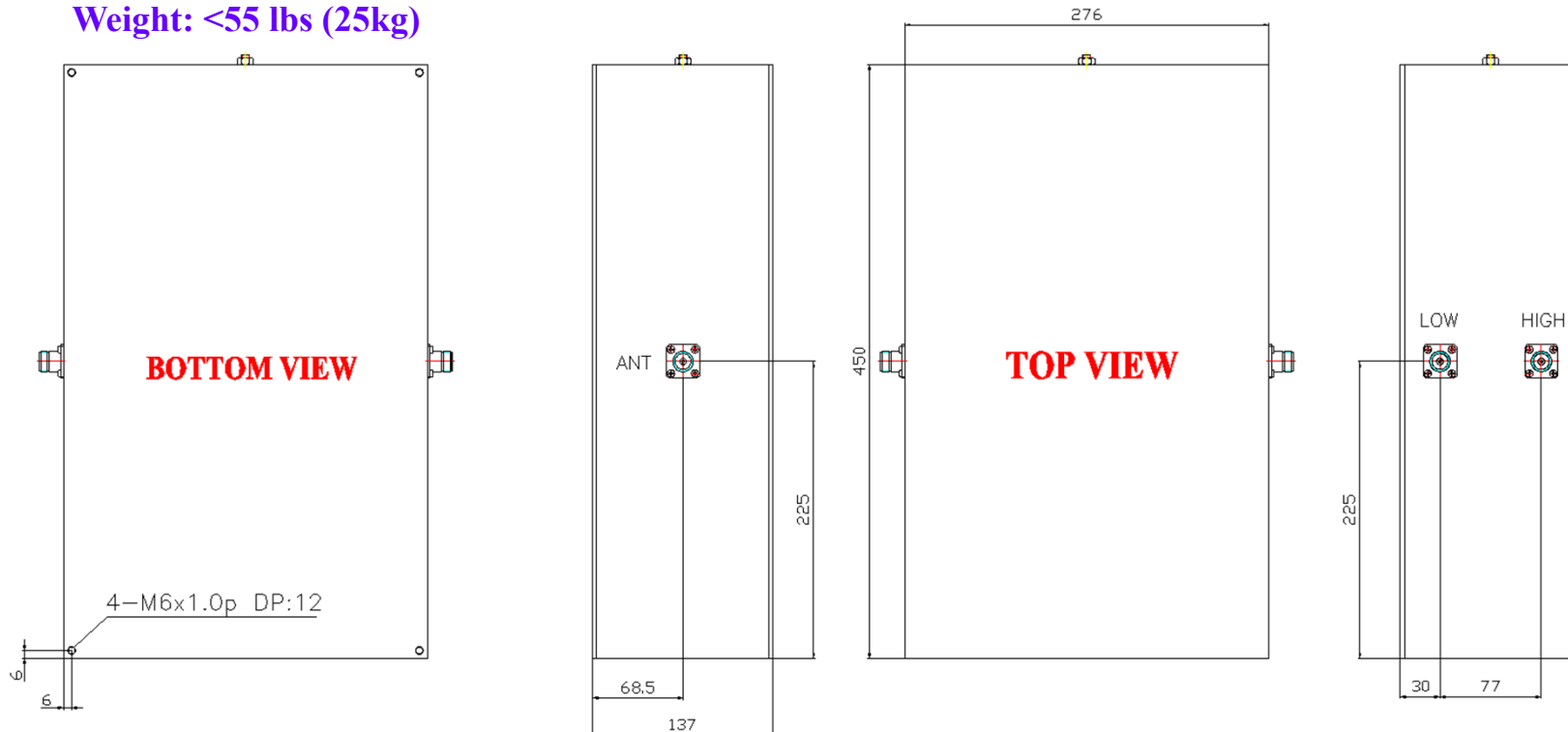


Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

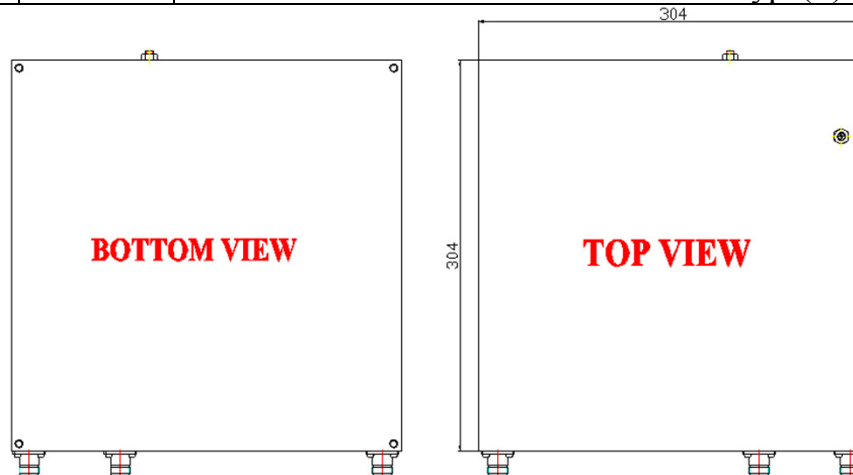
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Parameter	Unit	Specification	
		P2	P3
Center Frequency	MHz	133	167.5
Frequency Range	MHz	116 ~ 150	160 ~ 175
Bandwidth	MHz	$F_c \pm 5$	$F_c \pm 5$
Insertion Loss	dB	1.5 max	
Ripple	dB	1.5 max	
VSWR		2.0:1 max	
Rejection	dBc	25 min	
Power Handling	W	60W CW max @ Other band	
Operating Temp	°C	-55 ~ +85	
Impedance	ohm	50	
Connector		N-Type(F)	
Finish		Black epoxy paint	

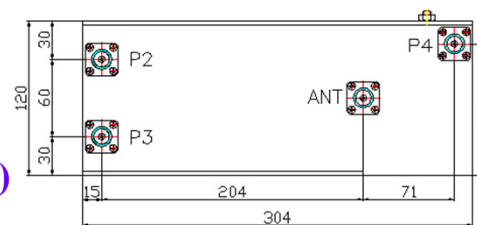
Weight: <55 lbs (25kg)



Parameter	Unit	Specification		
		P2	P3	P4
Center Frequency	MHz	145	162	445
Frequency Range	MHz	142 ~ 148	160 ~ 164	360~530
Bandwidth	MHz	6	4	$F_c \pm 7$
Insertion Loss	dB	1.5 max		
VSWR		2.0:1 max		
Isolation	dB	30 min		
Power Handling	W	60W CW max		
Operating Temp	°C	-55 ~ +85		
Impedance	ohm	50		
Connector		N-Type(F)		



Size:
(12x12x4.72)in or
(304x304x120) mm
Weight: <42 lbs (19kg)

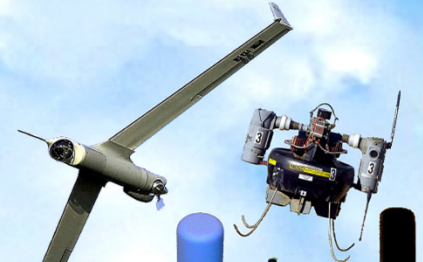




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Links to Pdf Catalogs:

L1/L2/L5 GPS, L1/L2 Glonass, Omnistar, Galileo, Compass, GSM, Iridium, Inmarsat, Globalstar, Thuraya, XM/Sirius, UHF, L, S, C, X, Ku-band Antennas, Power Divider/combiner, Amplifiers, and RF Cables.



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http://www.antcom.com/documents/catalogs/CombinedL-Band_Inmarsat_Thuraya_IridiumandGPSAntennas.pdf

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<http://www.antcom.com/documents/catalogs/BeidouAntennas.pdf>

<http://www.antcom.com/documents/catalogs/PassiveS-BandandBeidouAntennas.pdf>

<http://www.antcom.com/documents/catalogs/UHF-BandAntennas.pdf>

<http://www.antcom.com/documents/catalogs/LSC-BandAntennas1.pdf> **(UHF, L, S, C, X, and Ku-Band Antennas)**

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<http://www.antcom.com/documents/catalogs/XMorSIRIUSAntennas.pdf>

http://www.antcom.com/documents/catalogs/GSM_Cellular_PCS_CDMA_VRC-99_GPS-GSM_Antennas.pdf

<http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts1.pdf> **(Amplifiers/Power Divider/Combiner/Filters)**

<http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf> **(Antenna Mounts/Adapters/O-Rings/Gaskets)**

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<http://www.antcom.com/documents/catalogs/RHCP-LHCP-V-H-L1L2GPSAntennas.pdf>

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Antcom's Qualification/Certification Standards



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- 1) ISO 9001-2008 : Registered through SGS
- 2) TSO C-144 Certifications: http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgTSO.nsf/0/54BF1C4C90AABF3C86257130005CA5A8?OpenDocument
TSO C-169a Certifications: http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgTSO.nsf/0/586D3ACA4F64F88286257BC90062E1D2?OpenDocument
- 3) Environmental: RTCA/DO-160D, TSO C144
- 4) Lightning: DO-160F, Direct Effects , Section 23
- 5) Electrical: TSO C144, RTCA/DO-228/DO-254, Mil-STD-461F
- 6) CE: EMC Directive 89/336/EEC (European Union) & 47CFR, Part 15, Subpart B (FCC)
- 7) EMC/Emission: EUROPEAN STANDARD EN 55022: 2006 / UNITED STATES STANDARD 47 CFR PART 15, SUBPART B
- 8) Immunity: EUROPEAN STANDARD EN 55024: 1998, Amendment A2: 2003
- 9) Pick/Place, Soldering, Circuit Boards: IPC JSTD-001D, IPC-A-610D, ESD-STD-20.20, JESD-625a, IPC-A-610C Class 3
- 10) Printed Circuit Board (PCB): IPC-A-600G.
- 11) Connectors/Adapters/Cables: Mil-PRF-39012/55339, IPC-A-620A, IPC JSTD-001D
- 12) Stainless Steel Material for Screws: DFARS 252-225-7014/DFARS 225.872-1, and MS Standards.
- 13) Aluminum Material: Al6061-T6 per ASTM-B-221.
- 14) Chem Film: Mil-C-5541F Type I Class 1A for Yellow, Type II Class 1A for Clear (ROHS).
- 15) Black Anodize: MIL-A-8625F Type II Class II.
- 16) REACH Compliance: SVHC Candidate List Published by European Chemical Agency (ECHA) on Oct-28-2008 Regarding Regulation (EC) No 1907/2006 Concerning REACH

CE Test Reports:

- http://www.antcom.com/documents/catalogs/Antcom_Antenna_CE_Approval_Test_Report_1_of_2.pdf
- http://www.antcom.com/documents/catalogs/Antcom_Antenna_CE_Approval_Test_Report_2_of_2.pdf

EMI/EMC/Emission/Immunity/High Power Test Reports:

- http://www.antcom.com/documents/catalogs/Antcom_Antenna_MIL_STD_461E_EMI_Test_Report_antc1853.pdf
- http://www.antcom.com/documents/catalogs/Antcom_Antenna_MIL_STD_461F_Electromagnetic_Susceptibility_Test_Report_antc1897_REV_3.pdf
- http://www.antcom.com/documents/catalogs/Antcom_Antenna_MIL_STD_461F_Electromagnetic_Susceptibility_Test_Report_antc1897.pdf
- http://www.antcom.com/documents/catalogs/EMC_Test_Report1_Feb_29_08_SC801023_01.pdf
- http://www.antcom.com/documents/catalogs/EMC_Test_Report2_Feb_29_08_SC801023_01.pdf
- http://www.antcom.com/documents/catalogs/Immunity_Test_Report3_Feb_29_08_SC801023_01.pdf
- http://www.antcom.com/documents/catalogs/Antcom_DAGR_EMI_Test_Report_PR010496-00_Rev1.pdf

Lightning Test Reports:

- http://www.antcom.com/documents/catalogs/Antcom_Lightning_Test_Report_TR056159.pdf
- http://www.antcom.com/documents/catalogs/Antcom_5B_Antenna_DO_160F_Lightning_P_Static_Test_Report_TR056376_Dec_28_09.pdf

Environmental Test Report:

- http://www.antcom.com/documents/catalogs/Antcom_5B_Antenna_DO_160D_Test_Report_antc7764_Rev1_Jan_10_10.pdf
- http://www.antcom.com/documents/catalogs/Antcom_DAGR_Environmental_Test_Report_PR010496_Rev3.pdf
- http://www.antcom.com/documents/catalogs/Antcom_DO_160D_Test.pdf
- http://www.antcom.com/documents/catalogs/Antcom_Antenna_MIL_STD_810C_D_Test_Report_antc1852_2.pdf
- http://www.antcom.com/documents/catalogs/Antcom_Antenna_MIL_STD_810F_Immersion_and_Salt_Fog_Test_Report_ant2113_Rev_2.pdf
- http://www.antcom.com/documents/catalogs/Antcom_PR009604_Environmental_Test_Report_for_55GIR1216RR_AP_XST_2_Rev1.pdf
- http://www.antcom.com/documents/catalogs/Vibration_Test_Report_for_Antcom_C130_Sextant_Port_Antenna.pdf
- <\\0-Antcom's Products\Quality Control Information\TSO, EMI, FCC, CE, and Other Environmental Test Data\Antcom Antenna REACH Compliance.pdf>

NGS (NOAA) Government Calibration Test Report for GPS/GNSS Antennas:

- <http://www.ngs.noaa.gov/ANTCAL/Antennas.jsp?manu=Antcom>

Contacts:

RFQ/RFP: sales@antcom.com; Send POs: sales@antcom.com; Order Status: status@antcom.com; Tech Support: tech@antcom.com, RMA: rma@antcom.com, QA: qa@antcom.com
Accounting: acct@antcom.com; Purchasing: purchasing@antcom.com, Facility: facility@antcom.com, Corporate Contact: Doug.Reid@antcom.com, Sean@antcom.com



Certificate US08/5275

The management system of

Antcom Corp

367 Van Ness Way Suite 602,
Torrance, CA, 90501, United States

has been assessed and certified as meeting the requirements of

ISO 9001:2008

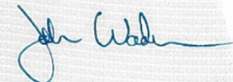
For the following activities

Design, Manufacture, and Testing of Antennas and RF/Microwave Components.

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2008 requirements may be obtained by consulting the organization

This certificate is valid from 4 November 2014 until 4 November 2017 and remains valid subject to satisfactory surveillance audits. Recertification audit due a minimum of 60 days before the expiration date. Issue 5 : 3 November 2014. Certified since 4 November 2008.

Authorized by



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The certification information can be verified on the web site of Certification and Accreditation
This certificate remains the property of SGS and shall be returned upon request

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