

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

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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)

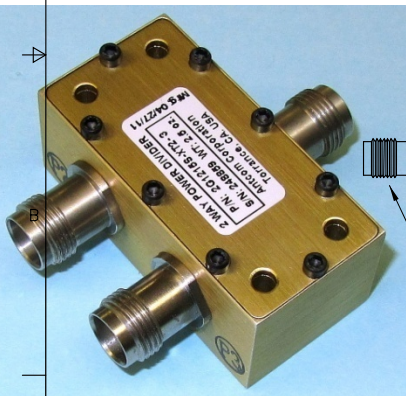
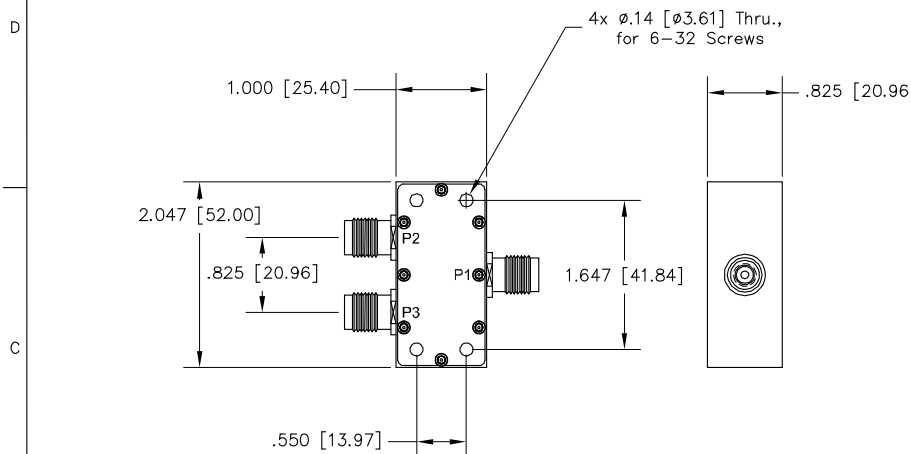
**ALTITUDE:** 70,000 ft.

**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
R: RIGHT ANGLE CON.		

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1						1

UNLESS OTHERWISE SPECIFIED	ANTCOM CORP. TORRANCE, CALIFORNIA
FRACCTIONS DECIMAL ANGLES ± 1/64 ± .010 ± .002	<b>2, 4-WAY, IN PHASE with DC INPUT POWER DIVIDER/COMBINER</b>
TOLERANCE SMI PER ANSI Y14.5	
FINISH: ALL SURFACES: BLENDED EXTERNAL EDGES: .000 TO .015 SLOTTED SURFACES: PER MIL-C-8879 DIMS ON A COMB. & OF .005 MACHINED SURFACES: V	
DO NOT SCALE DRAWING	

APPROVED	DATE	REV
S. HUI/SH MAY-03-11		1

SCALE	SHEET
1/1	1 OF 1