



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**

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

**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):	(0.3 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

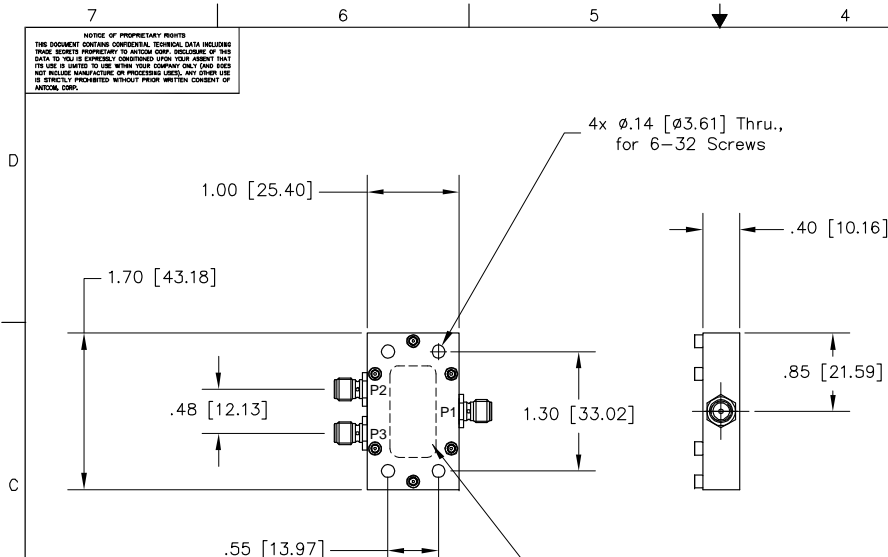
CONNECTOR: SMA FEMALE  
 (OPTIONAL: TNC, OR N)

**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

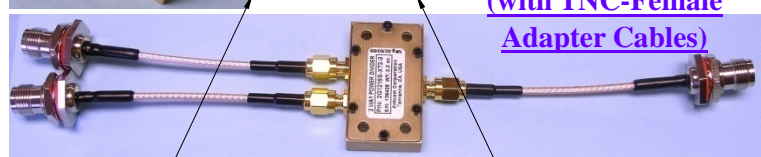
**FEDERAL & MILITARY SPECIFICATIONS:**

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

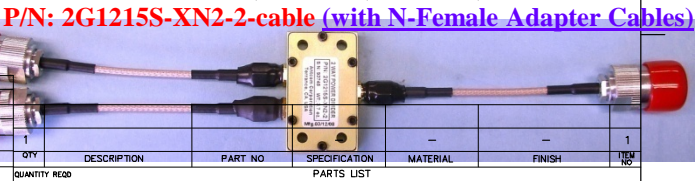
FREQ. BAND:	LNA GAIN:	DC OPTION:
1215: (0.3-3) GHz	13: 13 dB GAIN 20: 20 dB GAIN 33: 33 dB GAIN	1: P1, P2, P3 DC ALL DISABLE 2: P1, P2, P3 DC ALL ENABLE 3: P1, P2 DC ENABLE; P3 DC DISABLE

**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)

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1						1

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

TOLERANCE SURF PER ANSI Y14.5

BEFORE ALL SURF: DIMEN LATERAL EDGES .006 TO .016

PERFIL TO DIM IN IN: 1000

2008 SURF FINISH PER MIL-S-1875

94.3 ON A COARSEN 2.24 .005

MACHINED SURFACES

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE CALIFORNIA

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

DATE: 03/11/14  
 S. HUYNH  
 Feb-09-04

SCALE 1/1

SHEET 1 OF 1