



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>

Dimensions (mm): 1.000 [25.40], 2.047 [52.00], .825 [20.96], 1.647 [41.84], .550 [13.97], .825 [20.96]

4x ϕ .142 [ϕ 3.61] Thru for 6-32 Screws

Labels: P1, P2, P3

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

TNC FEMALE CONNECTORS
 OPTION: SMA, BNC, N, MCX, MMCX
 DC ENABLE/DISABLE ARE 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
		X: XdB
		Xdb Attenuated @ Port 2

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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	TEST NO
1						1

UNLESS OTHERWISE SPECIFIED	ANTCOM CORP.
DIMENSIONS ARE IN INCHES	TORRANCE, CALIFORNIA
FRACTIONS DECIMALS ANGLES	
\pm 1/64 .005 .010 \pm 1°	
TOLERANCE SYM PER ANSI Y14.5	
REMOVE ALL BURRS	
DEBurr ALL INTERNAL EDGES .005 TO .015	
FILED # .005 TO # 0.06	
SCREEN # 100 PER MIL-C-2879	
243 ON A COIL OR 27,000	
WASHED SURFACES \checkmark	
DO NOT SCALE DRAWING	

DATE	BY	APP'D	DESCRIPTION
MAY-03-11	S. HUYNH		ORIGINALLY DRAWN
MAY-03-11	S. HUYNH		ORIGINALLY DESIGNED
MAR-17-14	S. HUYNH		UPDATED
MAR-17-14	P. TRAN		UPDATE DRAWN
MAR-17-14	S. HUYNH		APPROVED

ANTCOM CORP.

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

D13CVE1 2G1215S-XT2-3-XdB

SCALE 1/1 SHEET 1 OF 1