



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:

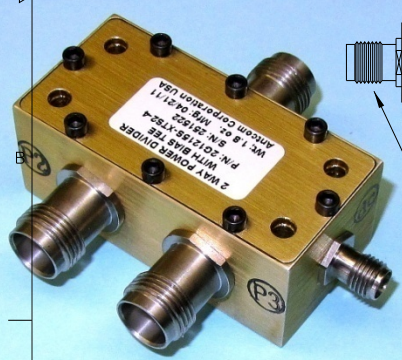
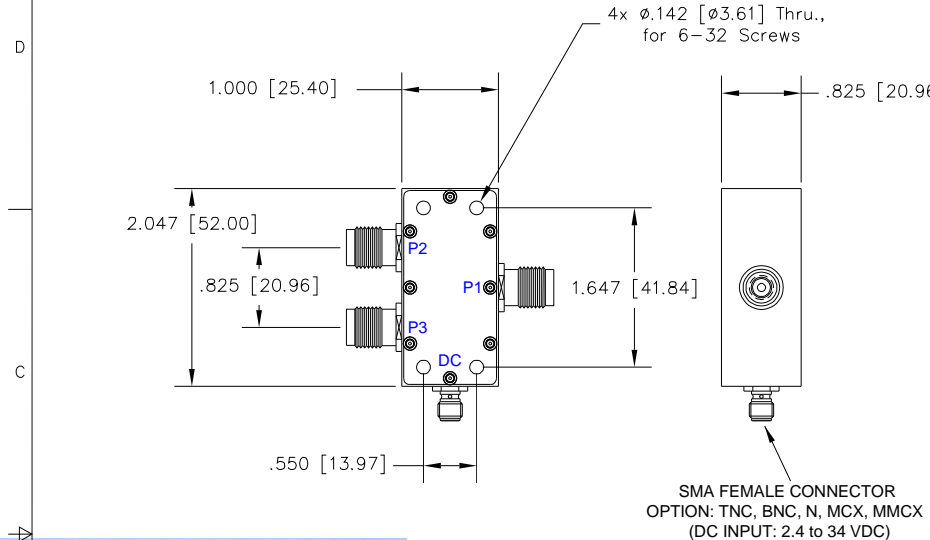
SIZE: LENGTH=2.047in. [52mm], WIDTH=1in. [25.4mm]
 HEIGHT 0.825in. [20.96mm]
 WEIGHT: < 3 oz. (85.0 g)
 FINISH: BASE IRIDITE PER MIL-C-5541
 MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
 UV, ABRASION, AND SKYDROL RESISTANCE
 CONNECTOR: TNC FEMALE
 (OPTIONAL: SMA, TNC, N, BNC, MCX, MMCX, F)

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 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-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	ORIGINAL DRAWN S. HUYNH	ANTCOM CORP. TORRANCE CALIFORNIA	
FRACTIONS DECIMALS ANGLES	MOY-03-11	2, 4-WAY, IN PHASE	
TOLERANCES UNLESS OTHERWISE SPECIFIED	ORIGINAL DESIGNED S. HUYNH	with DC INPUT	
FILLET R .005 TO R .030	MOY-03-11	POWER DIVIDER/COMBINER	
SCREEN SURFACES PER MIL-S-8879	Aug-22-13	PART OR DRAWING SHEETS	
DIM'S ON COMMON & 2P-005	Aug-22-13	D 3CVE1 2G1215S-XTS2-4-EDC B	
MACHINED SURFACES 12.5	Aug-22-13	SCALE 1/1	
DO NOT SCALE DRAWING	Aug-22-13	SHEET 1 OF 1	