



FAA Approved Facility

**P/N: 4G1215A10-XSB4-P1-EDC-50OHMTC**  
 (1.0 - 3.0) GHz Active 4-Way Power Splitter with 10 dB LNA Gain  
 All SMA-Female Connectors with BNC for External DC Input  
 P0/P1 DC Enable for DC Option with 4X 50 Ohms Load Termination Cap  
 Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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**SPECIFICATIONS**

REVISIONS		DATE	APPROVED
ZONE	REV	DESCRIPTION	

**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=1.50 in.[38.10 mm], WIDTH=3.00 in.[76.2 mm]  
 HEIGHT 0.58 in.[14.73 mm]

**WEIGHT:** 3.00 oz. (85.0 g)

**FINISH:** BASE IRIDITE 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)

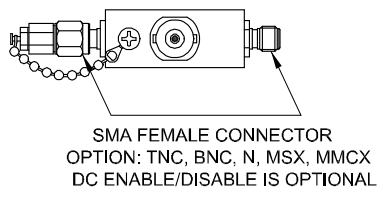
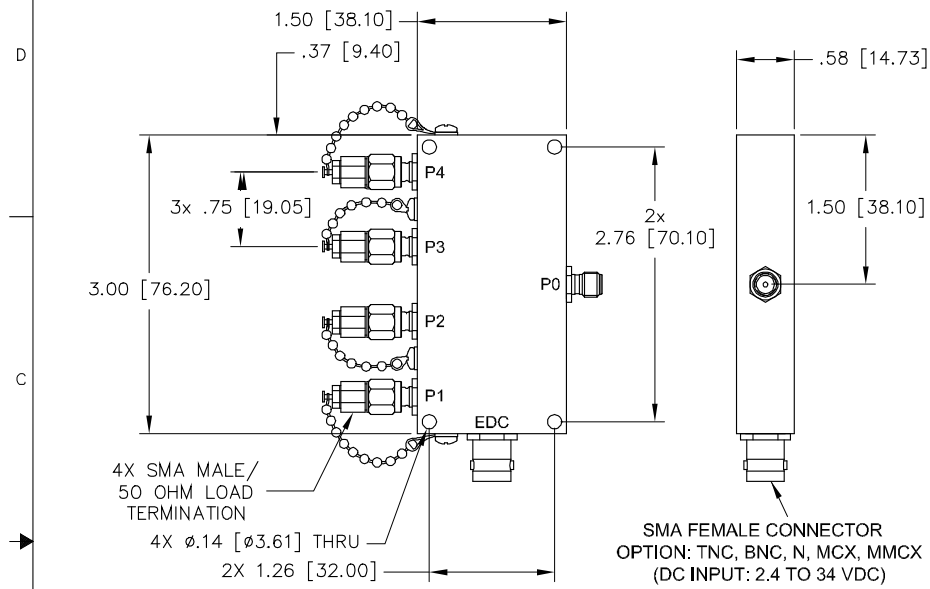
**ALTITUDE:** 70,000 ft.

**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 20: 20 dB GAIN 33: 33 dB GAIN	1: P1/P2/P3/P4 DISABLE 2: P0/P1/P2/P3/P4 ENABLE 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

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1. NOTES: UNLESS OTHERWISE SPECIFIED:

CABLE'S 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
W: CABLE LENGTH (IN)	N: N (Optional Bulkhead)	N: N (Optional Bulkhead)
R: RIGHT ANGLE CON.	M: MCX; MM: MMCX	M: MCX; MM: MMCX

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1						1

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES  
 FRACTIONS TO THIRDS OF AN INCH  
 DECIMALS TO THIRDS OF AN INCH  
 ± 1/64 .002 .010 ± 1'

TOLERANCE 5VM PER ANSI Y14.5  
 UNLESS ALL DIMENSIONS ARE SPECIFIED OTHERWISE  
 BREAK EXTERNAL EDGES .005 TO .015  
 FILED & POLISHED TO R .005  
 SCREW THREADS PER MIL-C-8878  
 DIMS ON A COMMON 2.5X .005  
 MACHINED SURFACES .002

DO NOT SCALE DRAWING

ORIGINALLY DRAWN	S. HUYNH Feb-09-04
ORIGINALLY DESIGNED	S. HUYNH Feb-09-04
UPDATED	S. HUYNH Jan-16-17
UPDATE DRAWN	F. TRUEN Jan-16-17
APPROVED	S. HUYNH Jan-16-17

**ANTCOM CORP.** TORRANCE, CALIFORNIA

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

REV: 1.0  
 D13CVE1  
 4G1215A10-XSB4-P1-EDC-50OHMTC

SCALE 1/1 | SHEET 1 OF 1