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SPECIFICATIONS

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):	(0.6 to 1.6)	0.8	0.6
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 0.40 in. [10.16 mm]

WEIGHT: 3.00 oz. (85 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

SMA FEMALE CONNECTORS
(TNC, N, OR CABLE IS OPTIONAL)
DC ENABLE/DISABLE IS OPTIONAL

SMA FEMALE CONNECTOR
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P/N: 4G1215S-XS4-1

FREQ. BAND:	LNA GAIN:	DC OPTION:
1215: 0.3-3 GHz	13: 13 dB GAIN 20: 20 dB GAIN 33: 33 dB GAIN	1: ALL DC INPUT/OUTPUT DISABLE 2: ALL DC INPUT/OUTPUT ENABLE P1: PORT P1 DC INPUT/OUTPUT ENABLE P12: PORT P1, P2, DC INPUT/OUTPUT ENABLE P123: PORT P1, P2, P3, DC INPUT/OUTPUT ENABLE

CABLE'S LENGTH:	CONNECTOR:	WAYS:
X: NO CABLE	T: TNC (Optional Bulkhead)	2: 2-WAY
M: WITH MAG. MOUNT	S: SMA	4: 4-WAY
#: CABLE LENGTH (IN)	N: N (Optional Bulkhead)	8: 8-WAY
R: RIGHT ANGLE CON.	M: MCX	

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	REV
1						1

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
FRACTIONS DECIMALS ANGLES
± 1/64 .0005 ± .1°
TOLERANCE SIM PER ANSI Y14.5
REWORK ALL SURFACES
BREAK EXTERNAL EDGES .005 TO .015
FILLET R .005 TO R .020
COPING THROUGH HOLES .005-3-8879
DATA ON A COMMON FILE 22-006
MACHINED SURFACES ✓
DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA	
(0.3-3) GHz 4-WAY IN PHASE POWER DIVIDER/COMBINER	REV
D 3CVE1 4G1215S-XS4-1	—
SCALE 1/1	SHEET 1 OF 1