



FAA Approved Facility

P/N: 2GXXXXAMPXX-XT-XT (0.005-3.0) GHz (3 to 24)Volts LNA

P/N: 2G0105AMP12-XT-XT (0.1-0.5) MHz; 12dB, NF = 3dB, 12Volts LNA;

P/N: 2G1725AMP25-XS-3S-2DBNF (1.7-2.5) GHz, 25 dB, NF = 2dB;

P/N: 2G4460AMP12-XT-XT, (4.4-6.0) GHz, 12dB, NF = 3dB, 12Volts LNA;

P/N: 2G07180AMP26-XT-XT, (0.7-18) GHz, 26dB, NF = <6dB, 12Volts LNA;

P/N: 2G0160AMP12-XT-XT, (0.1-6) GHz; 12dB, NF = 3dB, 12Volts LNA

P/N: 2G1760AMP12-XT-XT, (1.7-6) GHz; 12dB, NF = 3dB, 12Volts LNA;

P/N: 2G4460AMP20-XT-XT (4.4-6.0) GHz, 20dB, NF = 3dB, 12Volts LNA

P/N: 2G60180AMP24-XT-XT (6.0-18) GHz, 24dB, NF = <6.5dB, 5Volts LNA

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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SPECIFICATIONS

ELECTRICAL: 2G1760AMP12-XS-3S (0.1-6) GHz

P/N:	2G0105AMP12-XT-XT	2G0160AMP12-XT-XT	2G07180AMP26-XT-XT	2G60180AMP24-XT-XT
FREQUENCY:	(100 - 500)MHz	(4.0 - 6.0) GHz	(4.4 - 6.0)GHz	(6.0 - 18.0) GHz
VSWR:	< 2:1	< 2:1	< 2:1	< 2:1
IMPEDANCE:	50 ohms	50 ohms	50 ohms	50 ohms
LNA GAIN:	33±2 dB	20±2 dB	12±2 dB	24±2 dB
LNA NOISE FIGURE:	3 dB	3 dB	3 dB	3 dB
LNA P1dB Out:	+11 dBm	(+8 to +10) dBm	(+5 to +13) dBm	24 dBm
LNA DC POWER:	(+3 to 21) Volts <35mA	+12 Volts <80mA	+12 Volts <50mA	+12 Volts <400mA
POWER HANDLING:	1 Watt CW			

MECHANICAL:

SIZE: LENGTH=2.00 in.[50.80 mm], WIDTH=2.00 in.[50.80 mm], HEIGHT= <0.61 in.[15.47 mm]

WEIGHT: 4.00 oz. (.113 Kg)

FINISH: IRIDITE PER MIL-C-5441F

MATERIAL: 6061-T6 ALUMINUM ALLOY

CONNECTOR: SMA FEMALE (OPTIONAL: MCX, MMCX, SMA-M, TNC, TNC-M, 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

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REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
A		For DC Connector Options	July-25-06	S.H
C		GAIN	July-14-16	S.H

CABLE'S LENGTH: INPUT/OUPUT CONNECTOR Ext. DC CONNECTOR

X: NO CABLE S: SMA, SM: SMA-M, S: SMA, SM: SMA-M,
M: WITH MAG. MOUNT M: MCX, MM: MMCX M: MCX, MM: MMCX
R: CABLE LENGTH (IN) T: TNC, TM: TNC-M N: N
R: RIGHT ANGLE CON, N: N NO CON. FOR DC OPTION 1 AND 2

P/N: 2G1215AMP33-XT-2T

FREQ. BAND:	LNA GAIN:	DC OPTION:
0105: (100 to 500) MHz	12: 12 dB GAIN	1: DC BIAS FROM RF OUTPUT PORT P1 ONLY
0160: (0.1-6.0) GHz	20: 20 dB GAIN	2: DC BIAS FROM RF OUTPUT PORT P1 & PASS IT TO RF INPUT PORT 2 (FOR MULTIPLE INLINE AMP.)
4460: (4.4-6.0) GHz	33: 33 dB GAIN	3: EXTERNAL DC INPUT @ PORT 3 ONLY
1030: (1 to 3) GHz		14: DC BIAS FROM RF OUTPUT PORT P1 & PASS REG. 3V OUTPUT TO PORT 4
07180: (0.7 to 18) GHz		32: EXTERNAL DC INPUT @ PORT 3 & PASS IT TO RF INPUT PORT 2 (FOR MULTIPLE INLINE AMP.)
00180: (6 to 18) GHz		324: EXTERNAL DC INPUT @ PORT 3 & PASS IT TO RF INPUT PORT 2 & REG. 3V OUTPUT TO PORT 4
15:L1 Only (with Filter)		
1215: L1/L2 Only (with Filters)		
2425: 2.4-2.5 Only (with Filters)		

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1						1

ANTCOM CORP. TORRANCE, CALIFORNIA

OUTLINE DRAWING
(0.005-3) GHz, UHF, GPS,
S, C, Ku-BAND AMPLIFIER

D 3CVE1 2GXXXXAMPXX-XX-XX 12
SCALE 1/1 SHEET 1 OF 1