



FAA Approved Facility

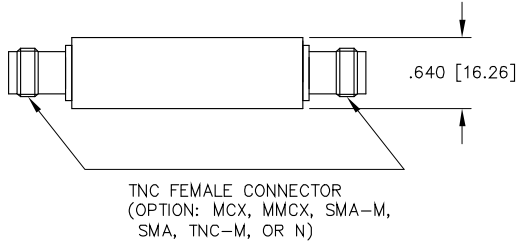
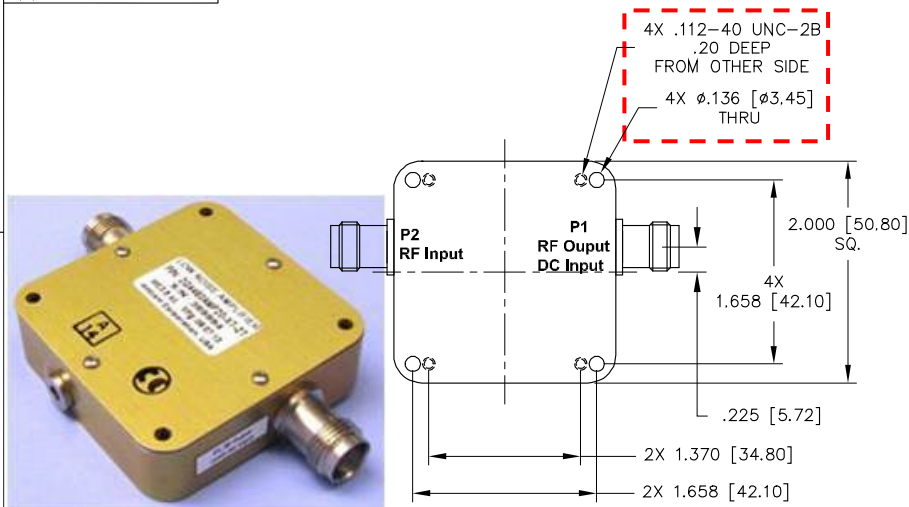
(0.7 - 18.0) GHz Amplifier
P/N: 2G07180AMP26-XT-X (DC from RF Input)
Other Frequencies and Connector Options are Available

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



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TNC FEMALE CONNECTOR (OPTION: MCX, MMCX, SMA-M, SMA, TNC-M, OR N)

SPECIFICATIONS

Table with columns: ZONE, REV, DESCRIPTION, DATE, APPROVED. Includes revision history for DATA, THRU HOLES, and CURRENT.

ELECTRICAL:

Table listing electrical specifications: P/N: 2G07180AMP26-XS-XT, FREQUENCY: (0.7 - 18.0) GHz, VSWR: (1.5 - 4.0) : 1, IMPEDANCE: 50 ohms, LNA GAIN: (15 - 26) dB, LNA NOISE FIGURE: (3 - 6) dB, LNA P1dB Out: +11 dBm, LNA DC POWER: 12 Volts 320mA, POWER HANDLING: 1 Watt CW.

MECHANICAL:

Table listing mechanical specifications: SIZE: LENGTH= 2,000 in.[50,80 mm] SQ. HEIGHT= 0,640 In.[16,26 mm], WEIGHT: 4.02 oz. (115 g), FINISH: IRIDITE PER MIL-C-5441F, MATERIAL: 6061-T6 ALUMINUM ALLOY, CONNECTOR: TNC FEMALE (OPTION: MCX, MMCX, SMA-M, SMA, TNC-M, OR N).

ENVIRONMENTAL:

Table listing environmental specifications: TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C] (Operational), ALTITUDE: 70,000 ft., VIBRATION: >30 G's, LEAKAGE: HERMETICALLY SEALED.

FEDERAL & MILITARY SPECIFICATIONS:

Table listing design 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.

Table mapping connector codes to types: S: SMA, SM: SMA-M; M: MCX, MM: MMCX; T: TNC, TM: TNC-M; N: N; Ext. DC CONNECTOR: S: SMA, SM: SMA-M; M: MCX, MM: MMCX; T: TNC, TM: TNC-M; N: N.

P/N: 2G07180AMP26-XT-XT

Table listing frequency bands and LNA gain options: FREQ. BAND: 0105: (100 to 500) MHz, 1.21-1.75: (1.21-1.75) GHz, 0160: (0.1-6.0) GHz, 4460: (4.4-6.0) GHz, 07180: (0.7 to 18) GHz, 60100: (6 to 18) GHz, 15: 1:1 Only (with Filters), 1215: L/L2 Only (with Filters), 2425: 2.4-2.5 Only (with Filters).

Table listing DC options: DC OPTION: 1: DC BIAS FROM RF OUTPUT PORT P1 ONLY, 2: DC BIAS FROM RF OUTPUT PORT P1 & PASS IT TO RF INPUT PORT 2 (FOR MULTIPLE INLINE AMP.), 3: EXTERNAL DC INPUT @ PORT 3 ONLY, 14: DC BIAS FROM RF OUTPUT PORT P1 & PASS REG. 3V OUTPUT TO PORT 4, 32: EXTERNAL DC INPUT @ PORT 3 & PASS IT TO RF INPUT PORT 2 (FOR MULTIPLE INLINE AMP.), 324: EXTERNAL DC INPUT @ PORT 3 & PASS IT TO RF INPUT PORT 2 & REG. 3V OUTPUT TO PORT 4.

Table with columns: QTY, DESCRIPTION, PART NO, SPECIFICATION, MATERIAL, FINISH, ITEM NO. Includes a parts list and drawing information.

ANTCOM CORP. TORRANCE, CALIFORNIA
OUTLINE DRAWING
(0.7-18.0)GHz AMPLIFIER
D | 3CVE1 | 2G07180AMP26-XT-XT | 1
SCALE 1/1 SHEET 1 OF 1