



ALL DIMENSIONS SHOWN ARE IN mm (inch)

ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE: 18 - 40 GHz
 GAIN: 20 dB TYP.
 ATT RANGE: 25 dB MIN.
 FLATNESS: ±2 dB @ 0dB ATT.
 ±3 dB TYP. @ 25dB ATT.
 NOISE FIGURE: 10 dB MAX. @ 18 - 32 GHz, 0dB ATT.
 12 dB MAX. @ 32 - 40 GHz, 0dB ATT.
 35 dB MAX. @ 25dB ATT.
 OP1dB: 10 dBm MIN. @ 0dB ATT.
 OIP3: 20 dBm MIN. @ 0dB ATT.
 7 dBm MIN. @ 18 - 32 GHz, 25dB ATT.
 0 dBm MIN. @ 32 - 40 GHz, 25dB ATT.
 IN/OUT VSWR: 2:1 TYP.
 DC VOLTAGE: +12V ± 10% @ 700 mA MAX.
 -12V ± 10% @ 100 mA MAX.
 RF INPUT POWER: +15 dBm CW MAX.
 DETECTED OUTPUT POWER: -5 dBm MIN.

CONNECTORS: J1, J2 - 2.92mm FEMALE FIELD REMOVABLE, STAINLESS STEEL
 J3 - DB9 MALE
PIN FUNCTIONS: P1: NC
 P2: +12V
 P3: LATCH_IN
 P4: GND
 P5: MOSI
 P6: SCK
 P7: CS_ATT
 P8: -12V
 P9: Det

ENVIRONMENTAL RATINGS

- TEMPERATURE: -10°C TO +85°C (OPERATING)
 -55°C TO +125°C (STORAGE)
 - HUMIDITY: MIL-STD-202G, METHOD 103B COND. B
 - SHOCK: MIL-STD-202G, METHOD 213B COND. B
 - VIBRATION: MIL-STD-202G, METHOD 204D COND. B
 - ALTITUDE: MIL-STD-202G, METHOD 105C COND. B
 - TEMP. SHOCK: MIL-STD-202G, METHOD 107G COND. A



NOTE: The above specifications are subject to change or revision. Specifications are at 25°C unless stated otherwise

 CÓLQUIDE 6 28231 LAS ROZAS MADRID, SPAIN	APPROVALS	DATE	SIGNED	DESCRIPTION: 18-40 GHz LOW NOISE VARIABLE GAIN AND POWER DETECTOR AMPLIFIER	REV.:	SHEET:
	DRAW	11/10/17	BME	QP-AMATT-1840-01	002	1 OF 1
	CHECKED	11/10/17	BME			
APPROVED	11/10/17	JAV				