



ALL DIMENSIONS SHOWN
ARE IN mm (inches)

ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE: 0.5 - 40 GHz
 GAIN: 20 dB TYP.
 ATT. RANGE: 25 dB MIN.
 ATT. ACCURACY: ±0.5 dB @ 20 GHz
 FLATNESS: ±2.5 dB MAX. @ 0 dB ATT.
 ±3.5 dB TYP. @ 25 dB ATT.
 NOISE FIGURE: 10 dB MAX. @ 0.5 - 32 GHz, 0 dB ATT.
 12 dB MAX. @ 32 - 40 GHz, 0 dB ATT.
 35 dB MAX. @ 25 dB ATT.
 OP1dB: 10 dBm MIN. @ 0 dB ATT.
 OIP3: 20 dBm MIN. @ 0 dB ATT.
 7 dBm MIN. @ 0.5 - 32 GHz, 25 dB ATT.
 0 dBm MIN. @ 32 - 40 GHz, 25 dB ATT.
 IN/OUT VSWR: 2:1 TYP.
 POWER SUPPLY: +12 V ± 10% @ 700 mA MAX.
 -12 V ± 10% @ 100 mA MAX.
 RF INPUT POWER: +15 dBm CW MAX.

CONNECTORS: J1, J2 - 2.92mm FEMALE, STAINLESS STEEL
 J3 - DB9 MALE
 CONTROL: DIGITAL (SPI)
 PIN FUNCTIONS: P1: N/C
 P2: 12V
 P3: LATCH_IN
 P4: GND
 P5: MOSI
 P6: SCK
 P7: CS_ATT
 P8: -12V
 P9: N/C

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



QP microWAVE
 CÓLQUIDE 6
 28231 LAS ROZAS
 MADRID, SPAIN

APPROVALS	DATE	SIGNED	DESCRIPTION:	REV.:
DRAW	28/05/18	BME	0.5 - 40 GHz LOW NOISE VARIABLE GAIN	
CHECKED	28/05/18	JAV	CODE: QP-AMATT-0040-01	000
APROBADO	28/05/18	JAV		1 DE 1