



ALL DIMENSIONS SHOWN ARE IN mm [inch]

ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE: 0.1 - 40 GHz
 ATTENUATION RANGE: 50 dB Typ.
 ATTENUATION WORD: 11 BITS
 ATTENUATION STEP: 0.025 dB
 INSERTION LOSS: 12 dB Typ. @ 40 GHz
 ATTENUATION ACCURACY*: ±4 dB Typ.
 VSWR: 2:1 Typ.
 SWITCHING TIME: 100 ns
 RF INPUT POWER: +4 dBm CW Max.
 *Referenced to insertion loss

CONNECTORS:

J1, J2 - 2.92mm FEMALE, STAINLESS STEEL
 J3 - DE9 MALE
POWER SUPPLY:
 +5V, 50 mA, -5V 50 mA
PIN FUNCTIONS:
 P1: +5V
 P2: -5V
 P3: LATCH_IN
 P4: MISO
 P5: MOSI
 P6: GND
 P7: GND
 P8: CS_ATT
 P9: SCK

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: DIGITAL ATTENUATOR 0.1-40 GHz	REV.:	SHEET:
		DRAW	16/06/23	CRU	CODE: QP-ATDIG-0040-06	00A	1 OF 1
		CHECKED	16/06/23	BME			
		APPROVED	16/06/23	JAV			