



ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE: 0.1 - 40 GHz
 ATTENUATION RANGE: 50 dB
 ATTENUATION WORD: 11 BITS
 ATTENUATION STEP: 0.024 dB
 INSERTION LOSS: 8 dB MAX.
 ATTENUATION ACCURACY*: ±1.5 dB @ 0 - 25 dB
 ±3 dB @ 25 - 50 dB

VSWR: 2:1 TYP.
 2.5:1 MAX.

SWITCHING TIME: 100 ns
 RF INPUT POWER: +24 dBm CW MAX

*Referenced to insertion loss

CONNECTORS: J1, J2 - 2.92mm FEMALE, STAINLESS STEEL
 J3 - DE9 MALE

POWER SUPPLY: +5V, 100 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	31/08/22	CRU	CODE: QP-ATDIG-0040-03	00A	1 OF 1
		CHECKED	31/08/22	BME			
		APPROVED	31/08/22	JAV			