



ALL DIMENSIONS SHOWN ARE IN mm

**ELECTRICAL SPECIFICATIONS**

FREQUENCY RANGE: 0.5 - 18 GHz  
 ATTENUATION RANGE: 63.5 dB  
 ATTENUATION WORD: 7 BITS  
 ATTENUATION STEP: 0.5 dB  
 INSERTION LOSS: 10 dB MAX.  
 ATTENUATION ACCURACY\*: ±2 dB @ 0 - 31.5 dB  
 ±5 dB @ 32 - 63.5 dB  
 VSWR: 2.0:1 TYP.  
 2.5:1 MAX.  
 SWITCHING TIME: 80 ns MAX.  
 RF INPUT POWER: 26 dBm MAX.  
 \*Referenced to insertion loss

LOGIC "0" (BIT OFF): 0 TO 0.5 V  
 LOGIC "1" (BIT ON): 3 TO 5 V  
 POWER SUPPLY: +VCC: +5V, 75 mA; -VCC: -5V, 75 mA  
 CONNECTORS: J1, J2 - SMA FEMALE FIELD REPLACEABLE, STAINLESS STEEL  
 PIN FUNCTIONS:  
 -VCC  
 P6 - 32 dB  
 P5 - 16 dB  
 P4 - 8 dB  
 P3 - 4 dB  
 P2 - 2 dB  
 P1 - 1 dB  
 P0 - 0.5 dB  
 +VCC  
 GND

**ENVIRONMENTAL RATINGS**

- TEMPERATURE: -40°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: <b>DIGITAL ATTENUATOR 0.5 - 18 GHz</b>
	DRAW	02/07/18	BME	CODE: <b>QP-ATDIG-0018-02</b>
	CHECKED	02/07/18	JAV	REV.: 000 1 DE 1
	APROBADO	02/07/18	JAV	