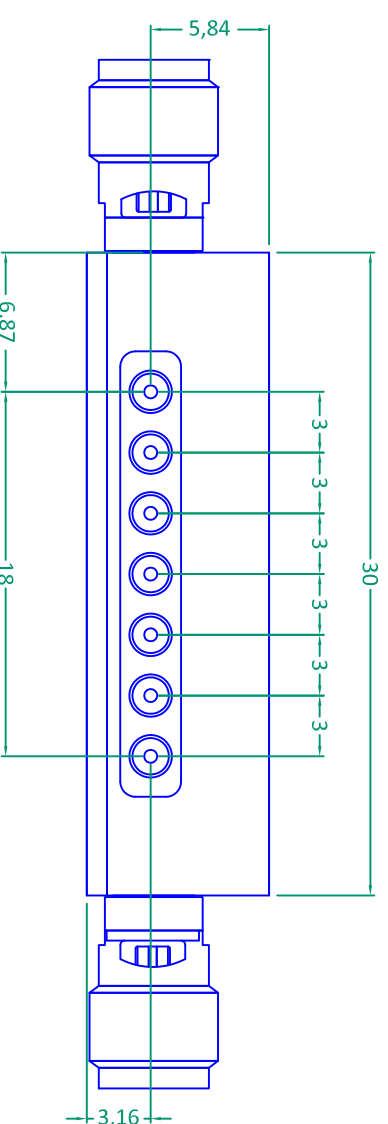


**ALL DIMENSIONS SHOWN  
ARE IN mm (inch)**



**ELECTRICAL SPECIFICATIONS**

FREQUENCY RANGE: 0.1 - 18 GHz.  
 ATTENUATION RANGE: 31 dB.  
 ATTENUATION WORD: 5 BIT.  
 ATTENUATION STEP: 1 dB.  
 ATTENUATION FLATNESS: ±1 dB MAX.  
 ATTENUATION ACCURACY: ±1 dB @ 0 - 15 dB.  
 ±1.5dB @ 16 - 31 dB.  
 INSERTION LOSS: 5.0 dB MAX.  
 VSWR: 1.6:1.  
 SWITCHING TIME: 90 ns.  
 POWER HANDLING CAPACITY: 25 dBm.

LOGIC "0" (BIT OFF): 0 TO 0.8 V  
 LOGIC "1" (BIT ON): 2 TO 5 V  
 POWER SUPPLY: +5V, 10mA  
 REQUIREMENTS: -5V, 10mA  
 CONNECTORS: J1,J2-SMA FEMALE, STAIN LESS STEEL  
 PIN FUNCTIONS:  
 P0: -Vcc  
 P1: 1 dB  
 P2: 2 dB  
 P3: 4 dB  
 P4: 8 dB  
 P5: 16 dB  
 P6: +Vcc

**ENVIRONMENTAL RATINGS**

- TEMPERATURE: -40°C TO +85°C (OPERATING)  
 -55°C TO +125°C (STORAGE)  
 - HUMIDITY: MIL-STD-202F, METHOD 103B COND. B  
 - SHOCK: MIL-STD-202F, METHOD 213B COND. B  
 - VIBRATION: MIL-STD-202F, METHOD 204D COND. B  
 - ALTITUDE: MIL-STD-202F, METHOD 105C COND. B  
 - TEMP. SHOCK: MIL-STD-202F, METHOD 107D COND. A

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



**QP microwave**  
 C/O LOUIDE 6  
 28230 LAS ROZAS  
 MADRID, SPAIN

APPROVALS	DATE	SIGNED	DESCRIPTION:
DRAWN	15/01/13	AGI	DIGITAL ATTENUATOR 0.1 - 18 GHz
CHECKED	15/01/13	AGM	
APPROBADO			

CODE:	REV.:
<b>QP-ATDIG-0018-01</b>	000
	1 DE 1