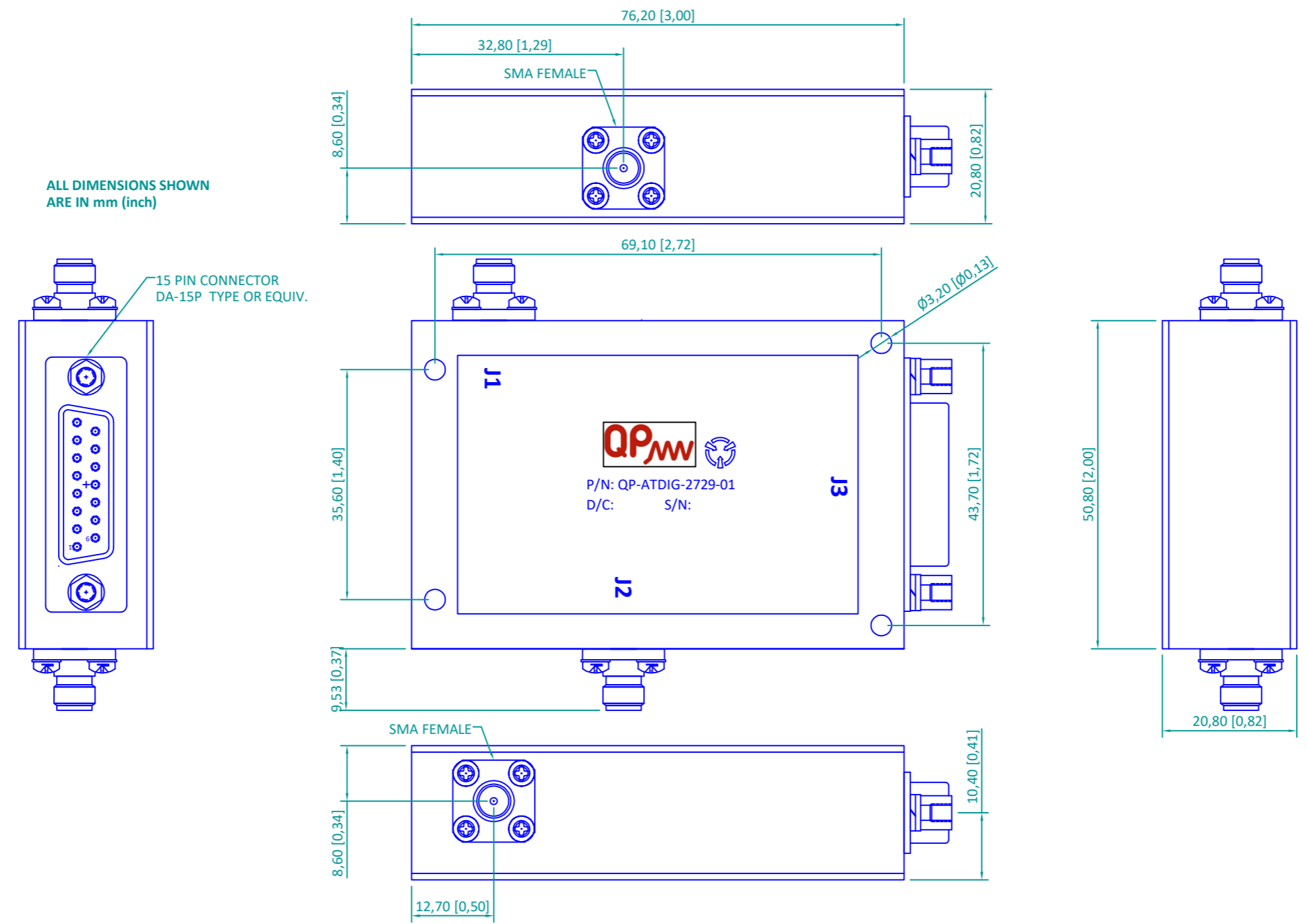


ALL DIMENSIONS SHOWN ARE IN mm (inch)



ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE: 2,7 - 2,9 GHz
 INSERTION LOSS: 1,8 dB MAX.
 ATTENUATION RANGE: 64 dB
 ATTENUATION WORD: 11 bits (*)
 ATTENUATION STEP: 0,03125 dB
 ATTENUATION FLATNESS: ±0,5 dB @ 0 - 64-dB ATT. STATE
 ATTENUATION ACCURACY: ±0,5 dB @ 2.8 GHz, 0 - 64 dB ATT. STATE
 TEMP. DRIFT (0° to 70°C): ±0,5 dB TYP. @ 0 - 64-dB ATT. STATE
 ±1 dB MAX. @ 0 - 64-dB ATT. STATE
 MONOTONICITY: YES
 VSWR: 1.5:1 MAX. @ 0 - 20-dB ATT. STATE
 1.9:1 MAX. @ >20-dB ATT. STATE
 SWITCHING TIME: ON 500 ns MAX. / OFF 250 ns MAX.
 RISE 150 ns MAX. / FALL 100 ns MAX.
 No RF Overshooting during Switching
 POWER HANDLING: +20dBm CW or PEAK MAX.

LOGIC "0" (BIT OFF): -0.3 TO +0.8 V
 LOGIC "1" (BIT ON): +2.0 TO +5.0 V
 POWER SUPPLY: +12 to +15V, 120 mA
 -12 to -15V, 50 mA
 POWER SUPPLY REJECTION: Less than 0,1 dB/V in either supply
 CONNECTORS: J1, J2 - SMA FEMALE
 J3 - DA-15P TYPE OR EQUIV.
 J3 PIN FUNCTIONS:
 #1- 0.06 dB #9- 4 dB
 #2- 0.13 dB #10- 8 dB
 #3- Strobe Latch(**) #11- 16 dB
 #4- GND #12- 32 dB
 #5- 0.25 dB #13- +12 to +15 V
 #6- 0.5 dB #14- -12 to -15 V
 #7- 1 dB #15- 0.03 dB
 #8- 2 dB

ENVIRONMENTAL RATINGS

OPERATING TEMPERATURE: -40°C to +85°C
 STORAGE TEMPERATURE: -54°C to +100°C

FINISH: GOLD PLATING



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 2.7-2.9 GHz
		DRAW	02/09/19	BME	CODE: QP-ATDIG-2729-01
		CHECKED	02/09/19	JAV	REV.: 004
		APPROVED	02/09/19	JAV	SHEET: 1 OF 1

(*) For 8-bit operation, pins 1, 2 & 15 should be connected to GND.
 (**) Strobe latch for data input. Attenuator responds to data input when logic "0" is applied. Attenuator latched to data input when logic "1" is applied.