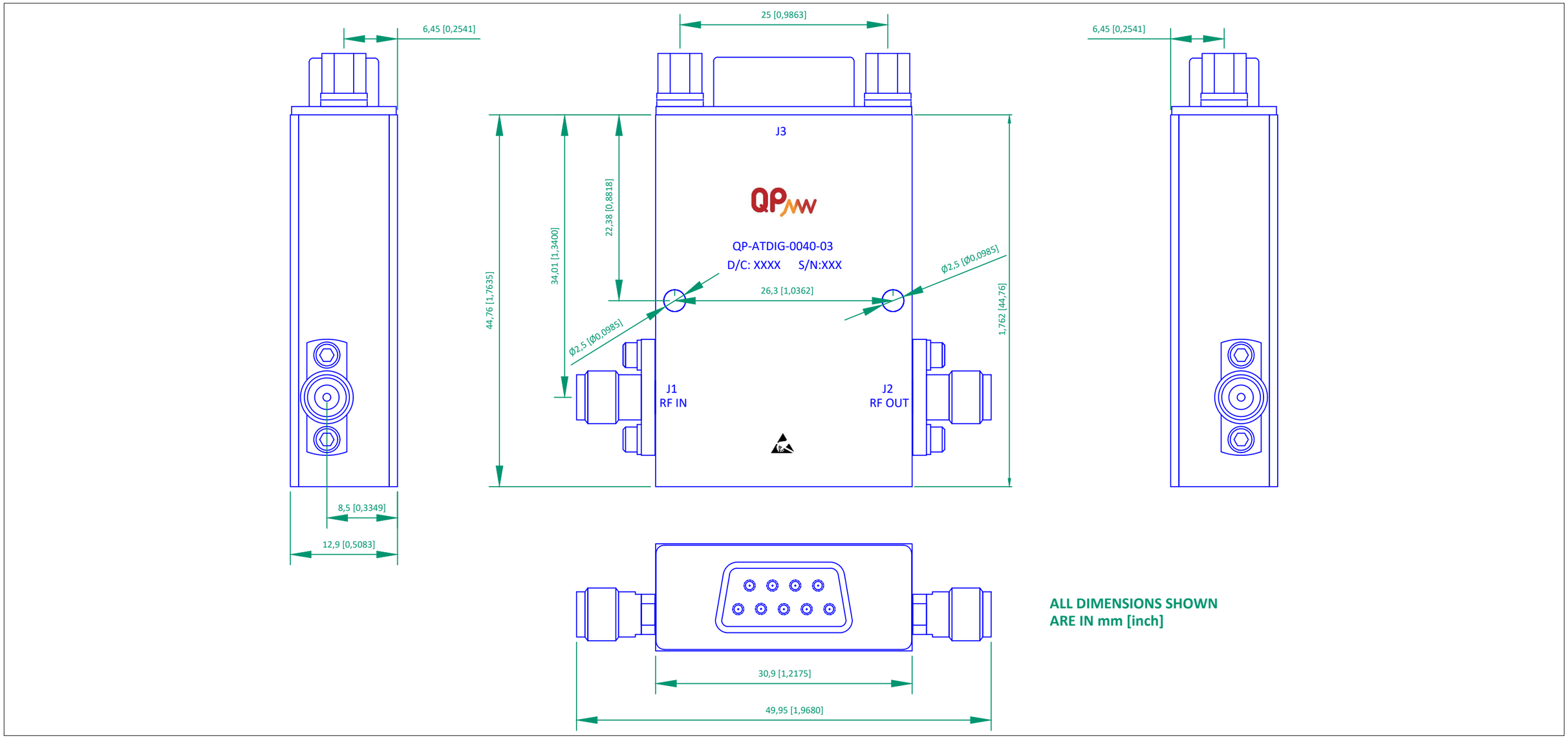

ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE:	0.1 - 40 GHz
ATTENUATION RANGE:	48 dB Typ.
ATTENUATION WORD:	11 BITS
ATTENUATION STEP:	0.025 dB
INSERTION LOSS:	10 dB Typ. @ 40 GHz
ATTENUATION ACCURACY*:	±4 dB Typ.
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, -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:	-10ºC TO +85ºC (OPERATING) -55ºC TO +125ºC (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

CAUTION
STATIC SENSITIVE DEVICE

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

QP microWAVE
CÓLQUIDE 6
28231 LAS ROZAS
MADRID, SPAIN

APPROVALS	DATE	SIGNED
DRAW	30/01/23	CRU
CHECKED	30/01/23	BME
APPROVED	30/01/23	JAV

DESCRIPTION: DIGITAL ATTENUATOR 0.1-40 GHz

CODE: QP-ATDIG-0040-03

REV.: 001

SHEET: 1 OF 1

RCHDC_EN_01