

1

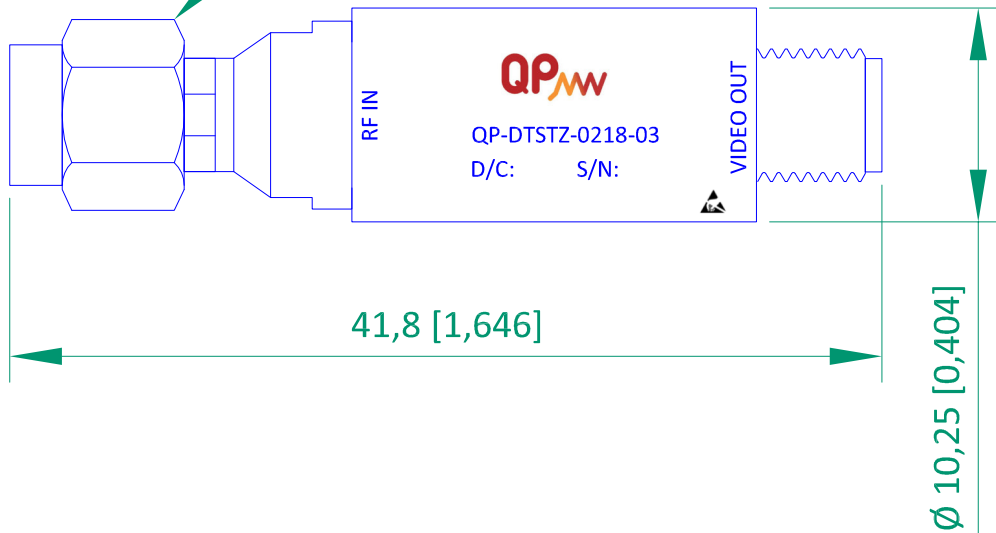
2

3

4

A

A

SMA FEMALE
VIDEO OUTPUTSMA MALE
RF INPUT

B

B

C

C

ALL DIMENSIONS SHOWN ARE IN mm [inch]

ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE: 2 - 18 GHz
 FLATNESS@-20dBm: ± 1.5 dB
 SENSITIVITY@ $R_L=1M\Omega$: 1500 mV/mW MIN.
 2500 mV/mW TYP.
 VSWR: 4.5:1 MAX.
 VIDEO CAPACITANCE: 20 pF TYP.
 VIDEO IMPEDANCE: 1.5 K Ω TYP.
 T_{SS} : -48 dBm
 OUTPUT POLARITY: NEGATIVE
 POWER HANDLING: +20 dBm CW

D

D

MECHANICAL SPECIFICATIONS

EPOXY SEALED PACKAGE
 SMA CONNECTORS
 NICKEL PLATING

E

E

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40°C TO +85°C (OPERATING)
 -55°C TO +100°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.

F

F



QP microWAVE
 C LQUIDE 6
 28231 LAS ROZAS
 MADRID, SPAIN

APPROVALS	DATE	SIGNED	DESCRIPTION:	2-18 GHz ZERO BIAS DETECTOR	
DRAW	12/02/21	BME	QP-DTSTZ-0218-03	REV.:	SHEET:
CHECKED	12/02/21	BME		000	1 OF 1
APPROVED	12/02/21	JAV			

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2

3

4

RCHDC_EN_01