



ALL DIMENSIONS SHOWN ARE IN mm [inch]

ELECTRICAL SPECIFICATIONS:

FREQUENCY RANGE:	0.5 - 18 GHz	NOISE FIGURE:	9 dB MAX. @ 0.5-4.5 GHz
GAIN:	13 dB ± 1.5 dB @ 0.5 GHz		7 dB MAX. @ 4.5-10 GHz
	14 dB ± 1.5 dB @ 2 GHz	NOISE FIGURE DRIFT:	5 dB MAX. @ 10-18 GHz
	16 dB ± 1.5 dB @ 6 GHz	IP1dB:	±2 dB TYP. @ -40 TO 85°C
	19 dB ± 1.5 dB @ 12 GHz		-2 dBm MIN. @ 0.5-2GHz
	22 dB ± 1.5 dB @ 18 GHz		-4 dBm MIN. @ 2-10GHz
GAIN DRIFT:	±1.5 dB MAX. @ 0 TO 70°C		-6 dBm MIN. @ 10-18 GHz
VSWR:	2.0:1 MAX. @ -40 TO 85°C	IP2 @ 18 GHz:	16 dBm TYP. @ Pout=-10 dBm
DC VOLTAGE:	+10.5 TO 16 V	IP3 @ 18 GHz:	13 dBm TYP. @ Pout=-10 dBm
DC CURRENT:	165 mA MAX.	HP2 @ fin=9 GHz:	30 dBc TYP. @ Pin=-15 dBm
RF INPUT POWER:	+18 dBm CW MAX.	HP3 @ fin=6 GHz:	50 dBc TYP. @ Pin=-15 dBm

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.

	QP microWAVE CÓLQUIDE 6 28231 LAS ROZAS MADRID, SPAIN	APPROVALS	DATE	SIGNED	DESCRIPTION: 0.5-18 GHz LOW NOISE AMPLIFIER	REV.:	SHEET:
		DRAW	14/12/21	JMC	QP-AMWPS-0018-02	004	1 OF 1
		CHECKED	14/12/21	BME			
APPROVED	14/12/21	JAV					