



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

**ELECTRICAL SPECIFICATIONS:**

- FREQUENCY RANGE: 1 - 22 GHz
- GAIN: 20.5 dB ± 0.5 dB @1 GHz (excluding linearity error)
- POSITIVE SLOPE: 7 dB NOM. (defined as GAIN @22 GHz - GAIN @1 GHz)
- GAIN LINEARITY: ±1.5 dB MAX.
- TEMPERATURE SHIFT: 0.03 dB/°C MAX.
- NOISE FIGURE: 6 dB MAX.
- OIP3: 30 dBm MIN.
- INPUT VSWR: 2.0:1 MAX.
- OUTPUT VSWR: 2.5:1 MAX.
- DC VOLTAGE: +12 V ± 5%
- DC CURRENT: 500 mA MAX.
- RF INPUT POWER: +15 dBm CW MAX.

**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
- THERMAL SHOCK: MIL-STD-202G, METHOD 107D COND. A

FINISH: NICKEL PLATING



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

	<b>QP microWAVE</b> CÔLQUIDE 6 28231 LAS ROZAS MADRID, SPAIN	APPROVALS	DATE	SIGNED	DESCRIPTION: <b>LNA WITH POSITIVE SLOPE 1 - 22 GHz</b>	REV.:	SHEET:	
		DRAW	07/05/15	BME	CODE:	<b>QP-AMWPS-0122-01</b>	003	1 DE 1
		CHECKED	07/05/15	JAV				
		APPROVED	07/05/15	JAV				