RF Limiting Amplifier — Model TML9004

Power Output (1 dB Comp.): +11 dBm — 50 to 500 MHz

Features

- Frequency: 50 to 500 MHz
- Power Output (1 dB Comp): +11 dBm
- Operating Temp. -55C to +85C
- Environmental Screening Available

Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	50 - 500 MHz	50 - 500 MHz
Small Signal Gain (dB)	10	9 Min.
Saturated Output Power (dBm)	11	+8 Min.
Saturated Flatness(dB)	± 0.8	± 1.0 Max.
VSWR Input/Output	1.2:1/1.4:1	2.0:1 Max.
Noise figure (dB)	7.0	9 Max.
Power +Vdc mA	+12 50	+12 50 Max.

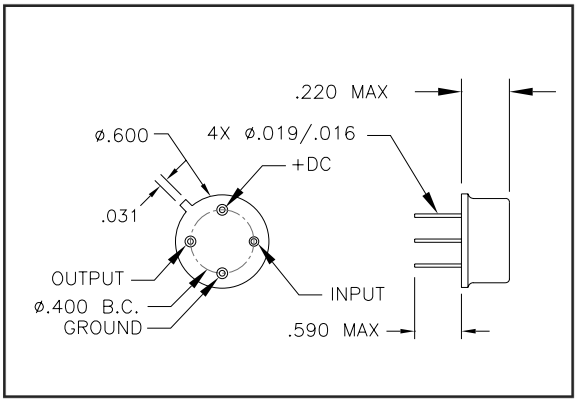
Note: Care should always be taken to effectively ground the case of each unit.

Packaging Options (see Appendix)

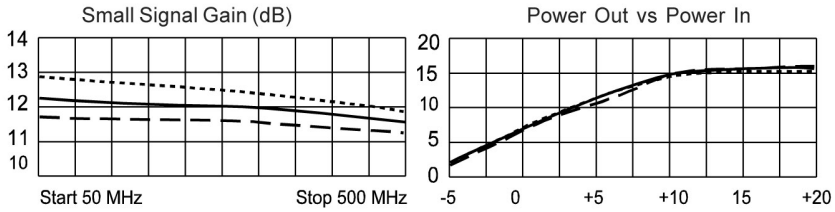
TML9004, 4 Pin TO-8 (T4)
TNL9004, 4 Pin Surface Mount (SM3)
BXL9004, Connectorized Housing (H1)

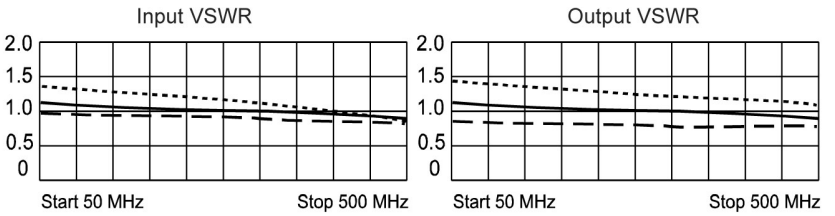
Maximum Ratings

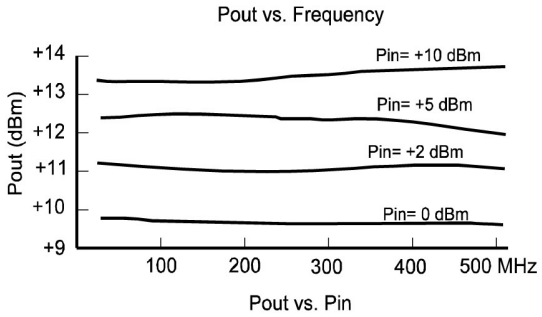
Ambient Operating Temperature ... -55ºC to + 100 ºC
Storage Temperature ..... -62ºC to + 125 ºC
Case Temperature ..... + 125 ºC
DC Voltage ..... +17 Volts
Continuous RF Input Power ..... + 15 dBm



Typical Performance Data







Legend ——— + 25 ºC — — — +85 ºC - - - - - - -55 ºC