

RF Limiting Amplifier

Power Output (1 dB Comp.): +11 dBm

Model TML9004

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

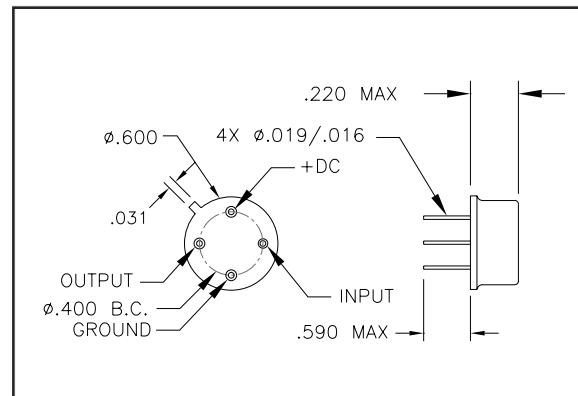
CHARACTERISTIC	TYPICAL	MIN/MAX
	Ta = 25 °C	Ta = -55 °C to +85 °C
Frequency	50 - 500 MHz	50 - 500 MHz
Small Signal Gain (dB)	10	9 Min.
Saturated Output Power (dBm)	11	+8 Min.
Saturated Flatness(dB)	± 0.8	± 1.0 Max.
VSWR Input/Output	1.2:1/1.4:1	2.0:1 Max.
Noise figure (dB)	7.0	9 Max.
Power +Vdc mA	+12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

Packaging Options (see Appendix)

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

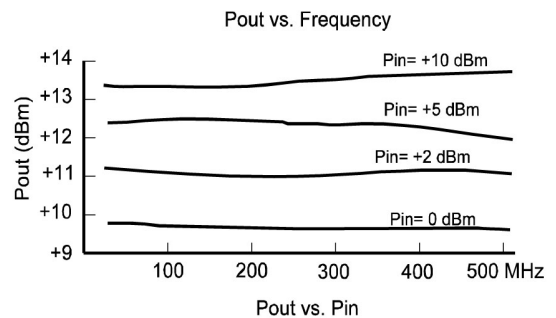
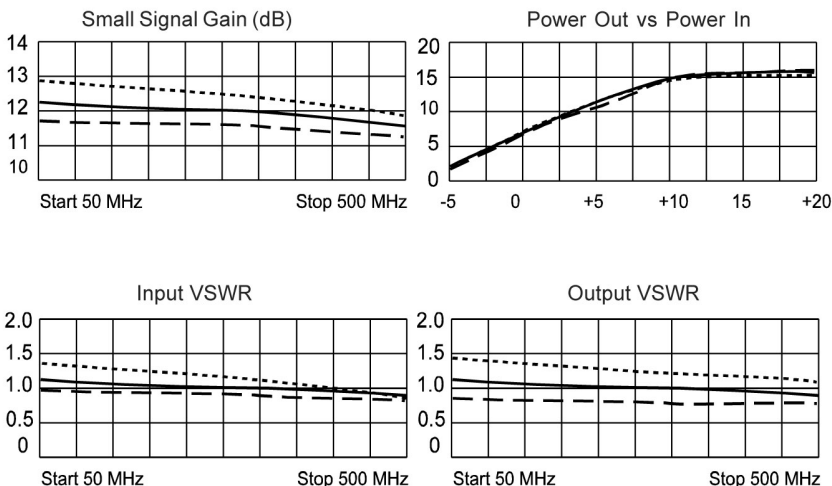
Maximum Ratings

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



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

Typical Performance Data



Legend ——— + 25 °C - - - - - +85 °C - - - - - -55 °C

