

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 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

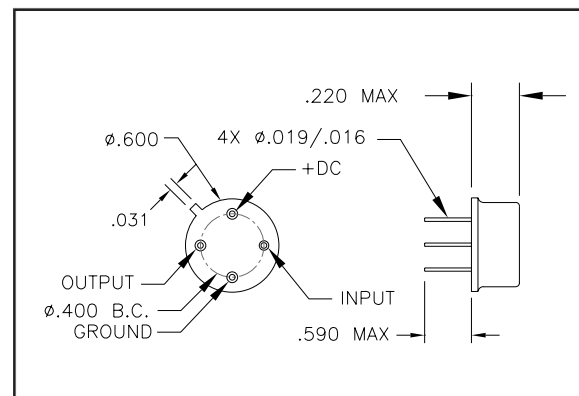
Ambient Operating Temperature ... -55°C to + 100 °C

Storage Temperature -62°C to + 125 °C

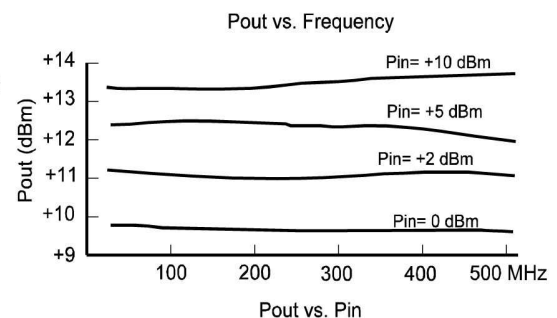
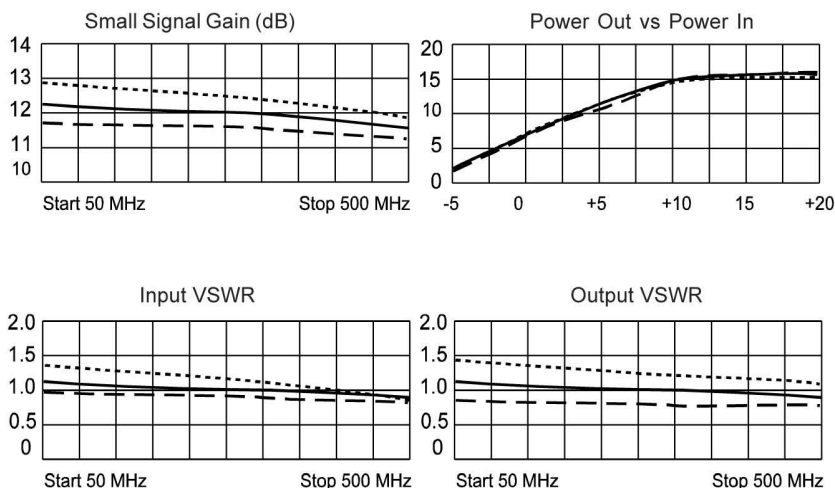
Case Temperature + 125 °C

DC Voltage +17 Volts

Continuous RF Input Power + 15 dBm



Typical Performance Data



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

