

Available as:

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

RF/Microwave Limiting Amplifier

Frequency Range: 50 to 500 MHz



Features

- Frequency: 50 to 500 MHz
- Power Output (1 dB Comp.) +12 dBm
- Operating Temperature -55°C to +85°C
- Environmental Screening Available

Absolute Maximum (No Damage) Ratings

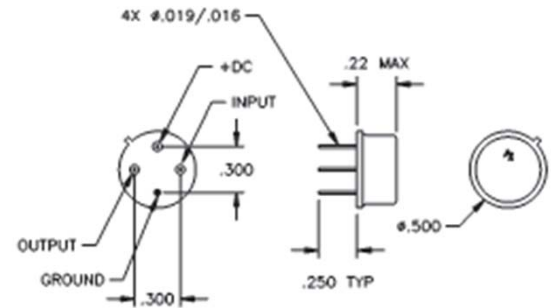
Operating Temperature	-55 °C to +100 °C
Storage Temperature	-62 °C to + 125 °C
Case Temperature	+ 125 °C
DC Voltage	+15 volts
Continuous RF Input Power	+ 15 dBm

Technical Specifications

Characteristic	TYPICAL Ta = +25°C	MIN/MAX Ta = +25°C
Frequency	50 – 500 MHz	50 – 500 MHz
Gain (dB)	12	10 Min.
Saturated Output Power (dBm)	12	+9.5 Min.
Saturated Flatness	± 0.5	± 1.0 Max.
VSWR In	1.2:1	2.0:1 Max.
VSWR Out	1.4:1	2.0:1 Max.
Noise Figure (dB)	7.0	9.0 Max.
Power Vdc	+12	+12
Power mA	30	50 Max.

Note:

1. Care should always be taken to effectively ground the case of each unit.
2. Min/Max specs are guaranteed when tested in a 50 Ohm system.
3. Package drawing for reference only.



Typical Performance Data

