

RF LIMITING AMPLIFIER

MODEL TML9052

Available as: TML9052, 5 Pin TO-8 (T5)
 TNL9052, 4 Pin Surface Mount (SM3)
 BXL9052, Connectorized Housing (H1)

Features

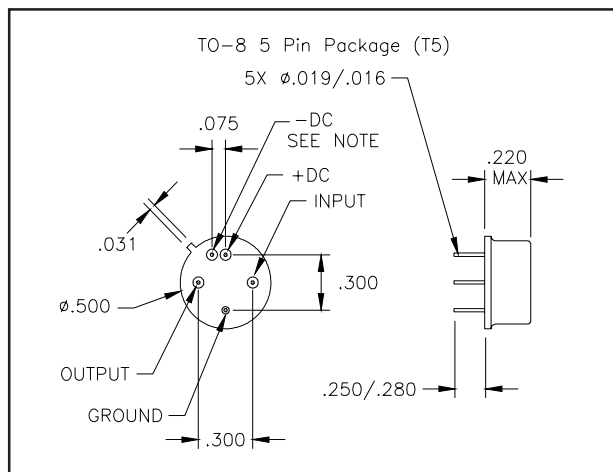
- Frequency: 5 to 500 MHz
- Low Phase Shift per dB of Compression
- Operating Case Temp. -55° C to + 85° C
- Environmental Screening Available

Absolute Maximum (No Damage) 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

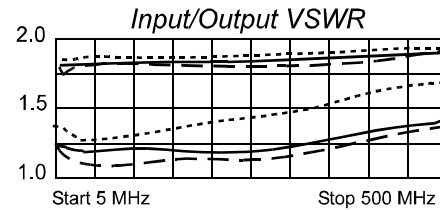
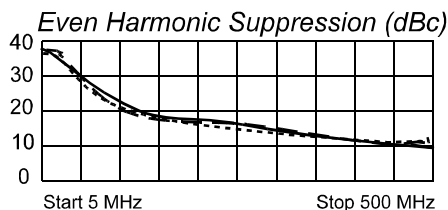
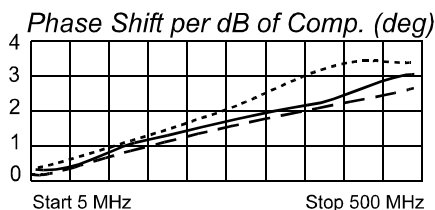
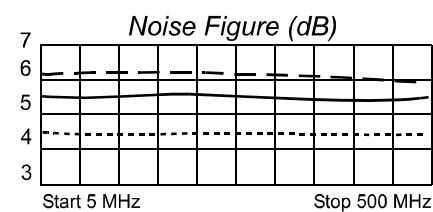
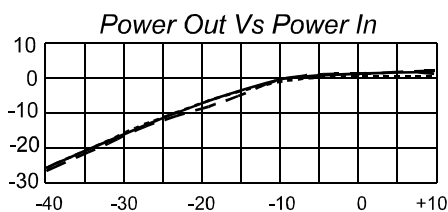
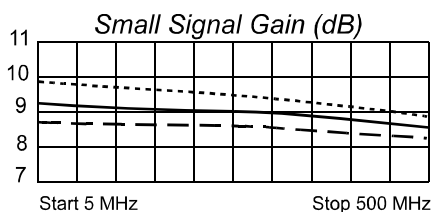
Specifications

CHARACTERISTIC	TYPICAL		MIN/MAX	
	Ta = 25 °C		Ta = -55 °C to +85 °C	
Frequency	5 - 500 MHz		5 - 500 MHz	
Small Signal Gain (dB)	9		7.0 Min.	
Saturated Output Power (dBm)	- 2		- 4 Min.	
Saturated Flatness(dB)	+/-0.4		+/-0.5	
VSWR Input/Output	1.5:1/1.9:1		2.0:1/2.0:1Max.	
Even Harmonic Suppression @ P _{IN} = -50 to +7 dBm	11		9	
Noise Figure (dB)	5.5		11 Max.	
Power +Vdc -Vdc*	+15 mA	-15* mA	+15 mA	-15* mA
	22	22	24	24 Max.



Note: Care should always be taken to effectively ground the case of each unit.
 * -15 V is not required and may be omitted.

Typical Performance Data



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

