

# RF Hybrid Linearizers

## 2.5 dB Change per Control Volt

# Model TL9007

## 10 to 1000 MHz

### Features

- 10 - 1000 MHz Linearizer for TG9001
- 2.5 dB Change Per Control Volt.
- Specifications Guaranteed
- 5 Pin TO-8 Metal Hermetic Package
- Operating Temp. -55 °C to + 100 °C

### Specifications 10 - 1000 MHz

LINEARITY	TYP	MAX
3 - 20 dB	< + 1 dB	< + 2 dB

TYPICAL POWER TL9007		
	Max Attn.	Min Attn.
<b>POWER SUPPLY</b>	Vcon = -1	Vcon = -10
+ 12 Vdc + 1%	4 mA	6 mA
- 12 Vdc + 1%	4 mA	7 mA
Vcon	2 mA	3 mA

TYP. POWER TL9007 & TG9001 CASCADED		
	Max Attn.	Min Attn.
<b>POWER SUPPLY</b>	Vcon = -1	Vcon = -10
+ 12 Vdc + 1%	10 mA	16 mA
- 12 Vdc + 1%	4 mA	7 mA
Vcon	2 mA	3 mA

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

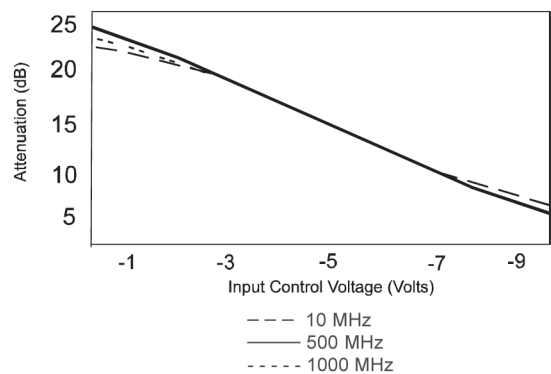
### Maximum (No Damage) Ratings

Ambient Operating Temperature ..... -55°C to + 100 °C  
 Storage Temperature ..... -62°C to + 125 °C  
 Case Temperature ..... + 125 °C  
 DC Voltage ..... +15 Volts

### Packaging Options (see Appendix)

TNL9007, 4 Pin Surface Mount (SM3)  
 TL9007, 5 Pin TO-8 (T4)  
 BXL9007, Connectorized Housing (H1)

Attenuation TG9001, TL9007 vs. Input Control Voltage



Output Voltage vs. Input Voltage

