

RF Hybrid Linearizers

2.5 dB Change per Control Volt

Model TL9003

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

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

Packaging Options (see Appendix)

TNL9003, 4 Pin Surface Mount (SM3)
 TL9003, 5 Pin TO-8 (T4)
 BXL9003, Connectorized Housing (H1)

Specifications 10 - 1000 MHz

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

TYPICAL POWER TL9003

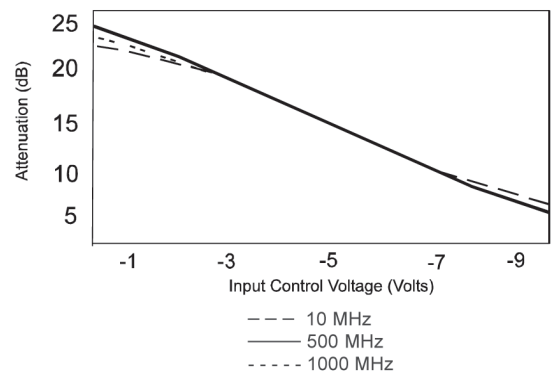
	Max Attn.	Min Attn.
POWER SUPPLY	Vcon = -1	Vcon = -10
+ 15 Vdc + 1%	4 mA	6 mA
- 15 Vdc + 1%	4 mA	7 mA
Vcon	2 mA	3 mA

TYP. POWER TL9003 & TG9001 CASCADED

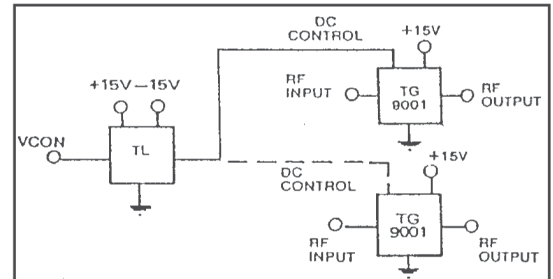
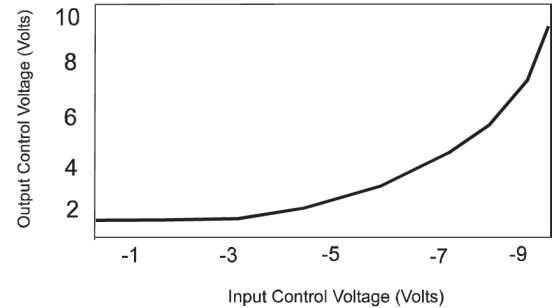
	Max Attn.	Min Attn.
POWER SUPPLY	Vcon = -1	Vcon = -10
+ 15 Vdc + 1%	10 mA	16 mA
- 15 Vdc + 1%	4 mA	7 mA
Vcon	2 mA	3 mA

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

Attenuation TG9001, TL9003 vs. Input Control Voltage



Output Control Voltage vs. Input Voltage



Attenuators