

RF Linearized Attenuator

Attenuation Slope: 5 dB per Volt

Model TGLR9025

5 to 1000 MHz

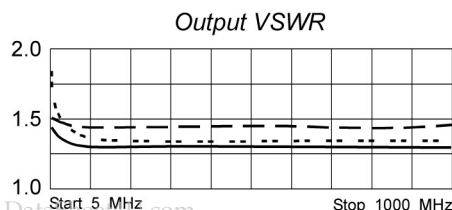
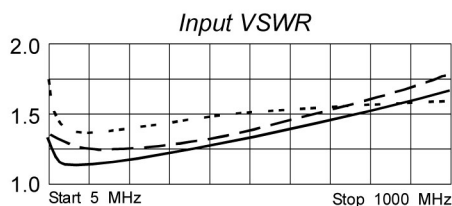
Features

- Linearized; 5 MHz to 1000 MHz
- Attenuation Slope: 5 dB per Volt
- Operating Temp. - 55 °C to + 85 °C
- Environmental Screening Available

Specifications

CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	5 - 1000 MHz	5 - 1000 MHz
Linearity		
6 - 51 dB 5 MHz	<±2	±4 Max.
6 - 48 dB 500 MHz	<±2	±4 Max.
6 - 42 dB 1000 MHz	<±2	±4 Max.
VSWR (Worst Case) (dB)		
5 - 500 MHz	<1.5:1	2.0:1 Max.
5 - 1000 MHz	<1.75:1	2.0:1 Max.
Bias Power Vdc	+15	+15
mA	22	30 Max.
Bias Power Vdc	-15	-15
mA	3	5 Max.
Control Power Vdc	-1 to -10	-1 to -10
10% to 90 % mA	1.25 to 2.5	0.75 to 4 Max.
Switching Speed (µsec)	50	120 Max.

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



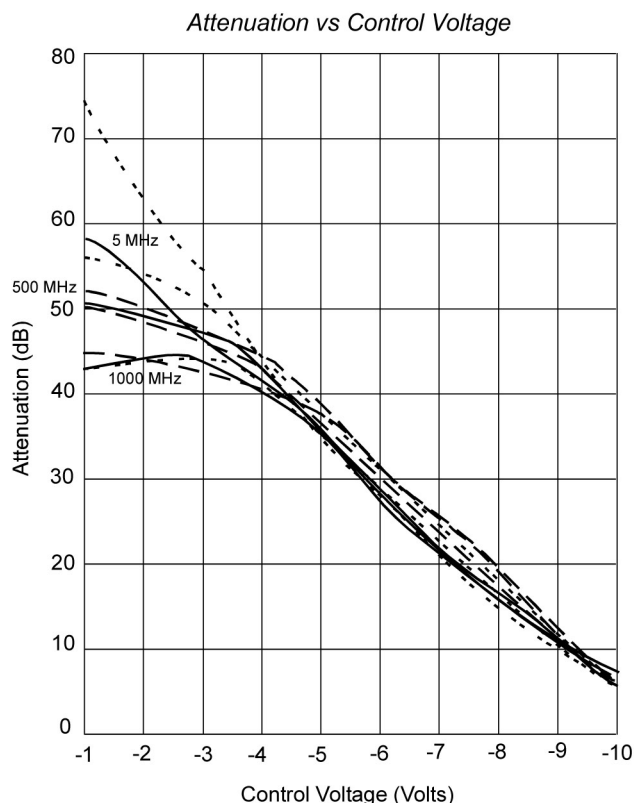
Maximum Ratings

Ambient Operating Temperature -55°C to + 100 °C
 Storage Temperature -62°C to + 125 °C
 Case Temperature + 125 °C
 DC Voltage + 18 Volts
 Continuous RF Input Power + 23 dBm
 Short Term RF Input Power 500 Milliwatts (1 MinuteMax.)
 Maximum Peak Power 1 Watt (3 µsec Max.)

Packaging Options (see Appendix)

TGLR9025, 12 Pin TO-8B (T9)
 TGLWN9025, 10 Pin .625" Sq. Gullwing (SG4)

Typical Performance Data



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

