

RF ATTENUATOR

MODEL TGLWN9025

Package Style: SG4 Surface Mount - Gull Wing
Available as: 4 Pin TO-8B

Features

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

Specifications

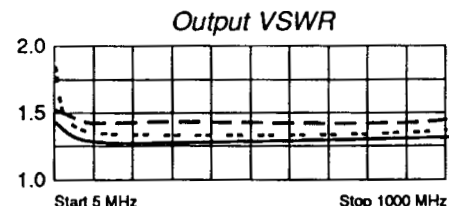
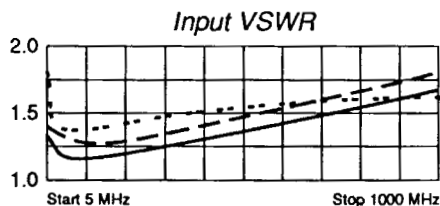
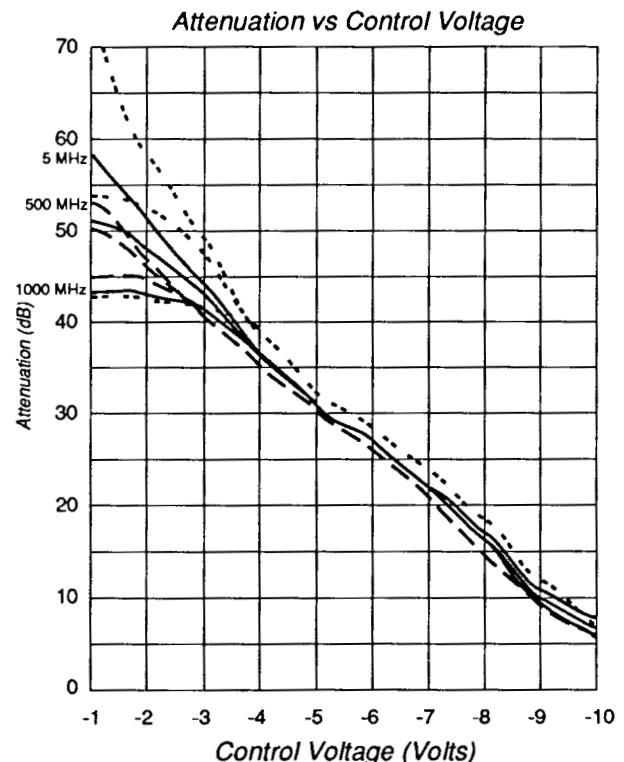
CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = - 55 °C to + 85 °C
Frequency	5 - 1000 MHz	5 - 1000 MHz
Linearity		
6 - 51 dB 5 MHz	< ± 2 dB	± 4 dB Max.
6 - 48 dB 500 MHz	< ± 2 dB	± 4 dB Max.
6 - 42 dB 1000 MHz	< ± 2 dB	± 4 dB Max.
VSWR (Worst Case)		
5-500 MHz	< 1.5:1	2.0:1 Min.
5-1000 MHz (dB)	< 1.75:1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

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 Minute Max.)
Maximum Peak Power 1 Watt
(3 μsec Max.)

Typical Performance Data



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

Amplifonix

2707 Black Lake Place, Philadelphia, PA 19154

TEL 215-464-4000 • • • • FAX 215-464-4001 Rev. A 01/09/03