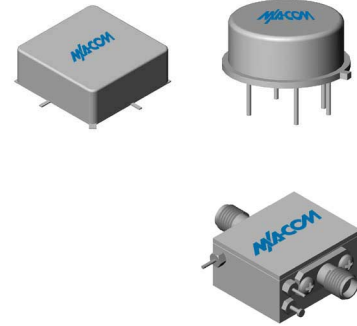




LG1 / SMLG1

TO-8 THIN-FILM LINEARIZER

- WIDE TEMPERATURE OPERATION
- YIELDS LINEAR ATTENUATION (dB) FOR LINEAR CONTROL VOLTAGE



Linearity Specifications (Rev. Date: 3/02)*

Temperature	Typical	Guaranteed Max.
25°C	< ±1.0 dB	±1.5 dB
-54°C to +85°C	< ±1.5 dB	±2.0 dB

* Frequency: 10-1000 MHz; attenuation range: 3 to 20 dB

Typical Current Drain

	Control Voltage = -10 V (Min. Attenuation)	Control Voltage = 0 V (Max. Attenuation)
-V	5 mA	5 mA
+V	24 mA	11 mA
V _{con}	15 mA	2.5 mA
Combination of LGI and GI		
-V	5 mA	5 mA
+V	31 mA	21 mA
V _{con}	15 mA	2.5 mA

Absolute Maximum Ratings

Storage Temperature	-62°C to +125°C
Max. Case Temperature	125°C
Max. DC Voltage	+17 Volts
"S" Series Burn-in Temperature (Case)	125°C

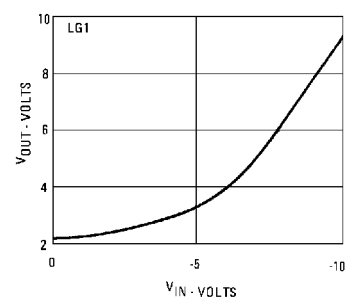
Outline Drawings

Package	TO-8	Surface Mount	SMA Connectorized
Figure	BJ	AD	CG
Model	LG1	SMLG1	CLG1

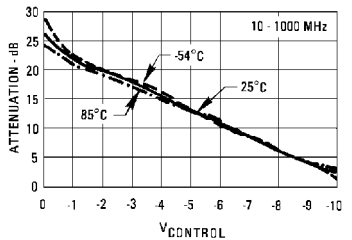
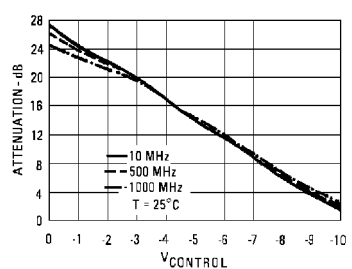
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Typical Performance @ 25°C

Output Voltage vs. Input Voltage



Attenuation of LG1 and G1 in Cascade vs. Control Voltage



Attenuation of LG1 and G2 in Cascade vs. Control Voltage

