

# MACON 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	$< \pm 1.5 \text{ dB}$	±2.0 dB	

<sup>\*</sup> Frequency: 10-1000 MHz; attenuation range: 3 to 20 dB

## Typical Current Drain

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



