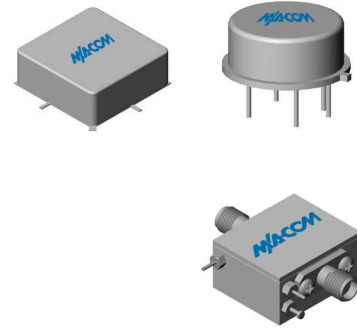




# LG30 / SMLG30

## TO-8 THIN-FILM LINEARIZER FOR THE G30

- 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: 100-2000 MHz; attenuation range: 3 to 25 dB

### Typical Current Drain

	Control Voltage = 0 V (Max. Attenuation)	Control Voltage = 15 V (Min. Attenuation)
-V	3 mA	15 mA
+V	5 mA	14 mA
V <sub>con</sub>	6 mA	12 mA
Combination of LG30 and G30		
-V	3 mA	15 mA
+V	12 mA	21 mA
V <sub>con</sub>	6 mA	12 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

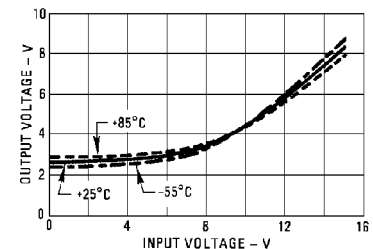
### Outline Drawings

Package	TO-8	Surface Mount	SMA Connectorized
Figure	BJ	AD	CG
Model	LG30	SMLG30	CLG30

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### Typical Performance @ 25°C

V<sub>Out</sub> vs. V<sub>Control</sub>



Attenuation vs. V<sub>Control</sub>

