

# GRS6012 0.3 TO 6000 MHz SMT0-8B VOLTAGE CONTROLLED ATTENUATOR MODULE

*Typical Values*

<b>Fast Switching</b> (10 - 90%) .....	<b>GRS6012</b>
<b>Fast Switching</b> (0 - 100%) .....	< 100 ns
<b>High Attenuation Range</b> .....	160 ns
<b>Low SWR</b> .....	> XX dB
<b>Excellent Flatness vs. Frequency</b> .....	< 1.8:1
<b>SMT0-8B Package for Attenuators</b>	± X.X

## SPECIFICATIONS\*

Parameter	Typical	Guaranteed	
		0 to 50 °C	-55 to +85 °C
Frequency Range	0.3-6000 MHz	0.3-6000 MHz	0.3-6000 MHz
Attenuation (Min.)	20 dB	18 dB	XX dB
Insertion Loss (Max.)	2.0 dB	4.5 dB	X.X dB
SWR (Max.) Input/Output	1.8:1	2.0:1	X.X:1
Flatness vs. Freq. (Max.)	±X.X dB	±X.X dB	±X.X dB
Switching Speed (Max.)	100 ns	160 ns	
Bias Current (Max.)	3 mA	X mA	X mA
Control Voltage	0 to -5 V	X to X V	X to X V
Control Current (Max.)	X mA	X mA	X mA

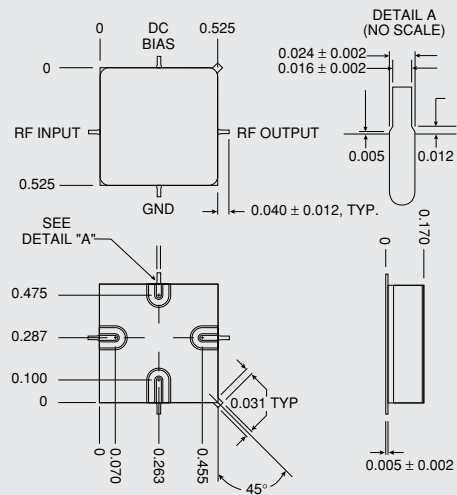
\* Measured in a 50-ohm system at +X Vdc bias.

## ABSOLUTE MAXIMUM RATINGS

Storage Temperature .....	-XX to +XXX °C
Maximum Case Temperature .....	+XXX °C
Maximum DC Voltage .....	+XX Volts
Maximum Continuous RF Input Power .....	XXX Milliwatts
Maximum Peak Power (3 µsec Max.) .....	X Watt
Burn-in Temperature .....	+XXX °C

## GRS6012

### SMT0-8B Package for Attenuators



DIMENSIONS ARE IN INCHES [MILLIMETERS]