

RF Attenuator

Low Insertion Loss

Model TG9006

5 to 1600 MHz

Features

- 5 MHz to 1600 MHz
- Low Insertion Loss
- Operating Temp. -55 °C to +85 °C
- Environmental Screening Available

Specifications

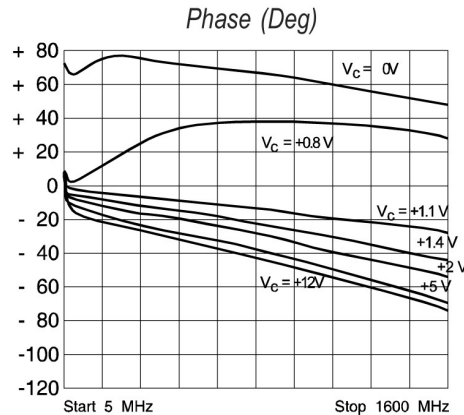
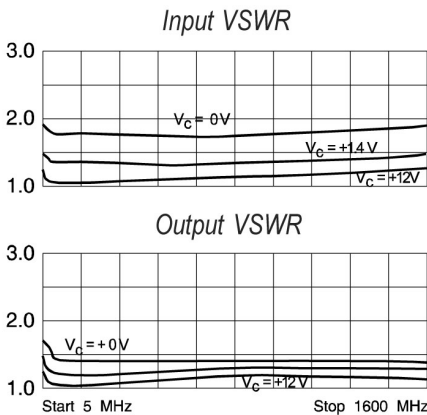
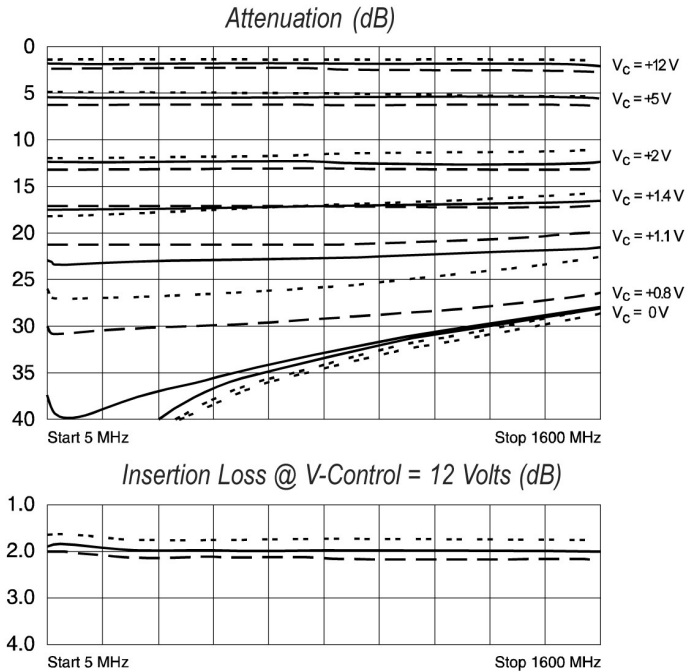
CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency (MHz)	5 - 1600 MHz	5 - 1600 MHz
Insertion Loss (Vc=15)		
5-500 MHz	2.0	2.3 Max.
5-1000 MHz (dB)	2.2	2.5 Max.
5-2000 MHz	2.5	3.5 Max.
Max Attenuation		
5-500 MHz	33	31 Min.
5-1000 MHz (dB)	27	25 Min.
5-2000 MHz	23	18 Min.
VSWR (Worst Case)		
5-500 MHz	1.75:1	2.0:1 Max.
5-1000 MHz (dB)	1.75:1	2.0:1 Max.
5-2000 MHz	2.2:1	2.5:1 Max.
Flatness over Freq.		
5-500 MHz	±0.15	±0.25 Max.
5-1000 MHz (dB)	±0.5	±1.0 Max.
5-2000 MHz	±0.7	±1.5 Max.
Bias Power	Vdc	
	mA	
	+12	+12
	5.5	10 Max.
Control Power	Vdc	
	mA	
	0 to +12	0 to +12
	6.5	0 to 7 Max.
Switching Speed (µsec)	40	60 Max.

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 + 20 dBm
 Short Term RF Input Power 200 Milliwatts
 (1 Minute Max.)
 Maximum Peak Power 1 Watt
 (3 µsec Max.)

Typical Performance Data



Packaging Options (see Appendix)

TG9006, 5 Pin TO-8 (T5)
 TNG9006, 4 Pin Surface Mount (SM3)
 BXG9006, Connectorized Housing (H6)

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

