

Model 8339 5 Bit Digital Attenuator

Noise Specifications

Frequency Range	50 MHz to 3.0 GHz
Insertion Loss (@ 0 ATTEN)	2.3 dB Max
VSWR	1.6:1 Max
Switching Speed	200 nSec Max
50% Logic to 10% to 90%	
Detected RF	
Input Power for .1 dB Compression	+20 dBm Min
Attenuation Range	31 dB
LSB	1.0 dB
Attenuation Accuracy (Ref to I.L.)	
+/- (.35 +/- 3% Atten. Setting)	
Control	5 Bit TTL Compatible

Attenuation (above ref. loss)	E5 (MSB)	E4	E3	E2	E1 (LSB)
I.L.	1	1	1	1	1
1	1	1	1	1	0
2	1	1	1	0	1
4	1	1	0	1	1
8	1	0	1	1	1
16	0	1	1	1	1
31	0	0	0	0	0

Connection Specifications

Connectors	
RF	SMA (F)
Control and Bias	.030 dia pins
(see Outline Drawing)	

DC Power Requirements

Positive Supply Voltage	+5 +/- 5% VDC
Positive Supply Current	25 mA Max

Environmental Requirements

Temperature	
Operating	-40 to +85 °C
Storage	-55 to +125°C
Cooling	Conduction cooling through surface of switch body
Seal	Epoxy Seal

Dimensions

Refer to Outline Drawing

