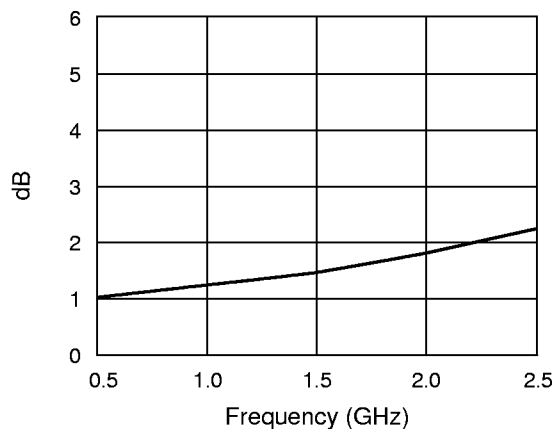


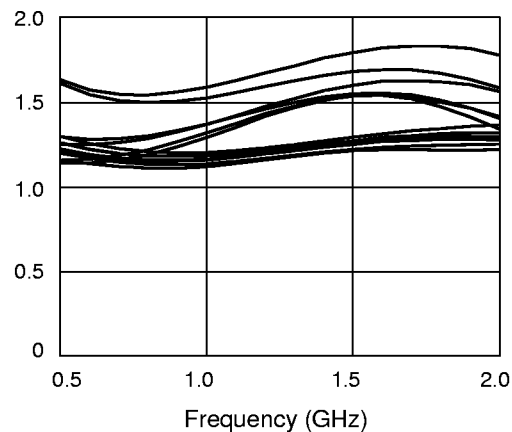
Alpha

1

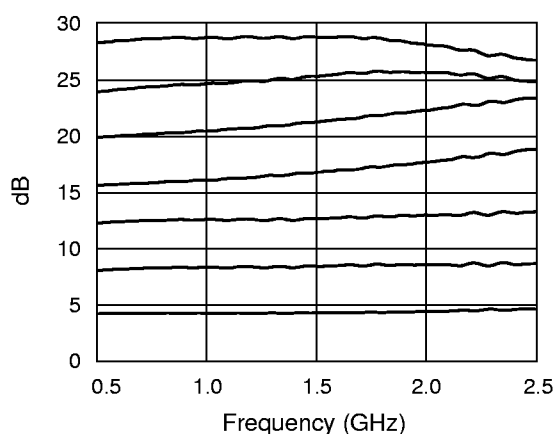
Typical Performance Data (0, +3 V)



Insertion Loss vs. Frequency



VSWR vs. Frequency (All States)



Attenuation vs. Frequency (All States)

Truth Table

V ₁	V ₂	V ₃	Attenuation J ₁ –J ₂
16 dB	4 dB	8 dB	
V _{High}	V _{High}	V _{High}	Ins. Loss
V _{High}	0	V _{High}	4 dB
V _{High}	V _{High}	0	8 dB
V _{High}	0	0	12 dB
0	V _{High}	V _{High}	16 dB
0	0	V _{High}	20 dB
0	V _{High}	0	24 dB
0	0	0	28 dB

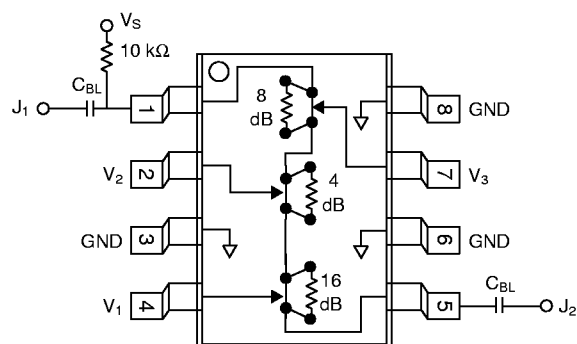
V_{High} = +3 to +5 V (V_S = V_{High} ± 0.2 V).

Absolute Maximum Ratings

Characteristic	Value
RF Input Power	1 W > 500 MHz 0/8 V 0.5 W @ 50 MHz 0/8 V
Supply Voltage	+8 V
Control Voltage	-0.2 V _i , +8 V
Operating Temperature	-40°C to +85°C
Storage Temperature	-65°C to +150°C

Note: Exceeding these parameters may cause irreversible damage.

Pin Out



DC blocking capacitors (C_{BL}) and biasing resistor must be supplied externally for positive operation.

C_{BL} = 100 pF for operation > .75 GHz.