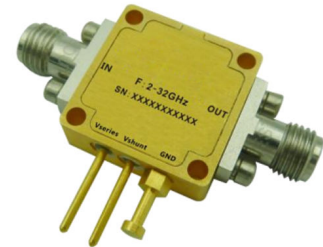




Absorptive Voltage Control Attenuator 2-32GHz

Features

- Wide Band Operation 2-32GHz
- Wide Attenuation Range 20dB
- Series-Shunt Absorptive Topology
- Single Control Operation



Parameters	Min	Typ.	Max	Min	Typ.	Max	Min	Typ.	Max	Units
Frequency Range	2-12		12-22		22-32					GHz
Attenuation Range		20			20			20		dB
Insertion Loss		2.2	3.0		2.8	3.5		3.8	4.2	dB
Insertion Loss Temperature Coefficient		0.05			0.05			0.05		dB/ °C
Input VSWR		1.8	2.2		1.8	2.2		1.8	2.2	: 1
Output VSWR		1.8	2.2		1.8	2.2		1.8	2.2	: 1
0.1dB Compression Point(P0.1dB)			30			30			30	dBm
Input Ip3	22			22			22			dBm
Control Voltage(V series)	0-1.5									V
Control Voltage(V shunt)	1.5									V
Weight	0.35									Ounces
Impedance	50									Ω
current	5									mA
Input / Output Connectors	2.92mm-Female									
Finish	Gold Plated									
Material	Aluminum									
Sealing	Hermetically Sealed (Optional)									



Absolute Maximum Ratings

Control Voltage	1.5V/0~1.5V
RF Input power	+30dBm

Ordering Information

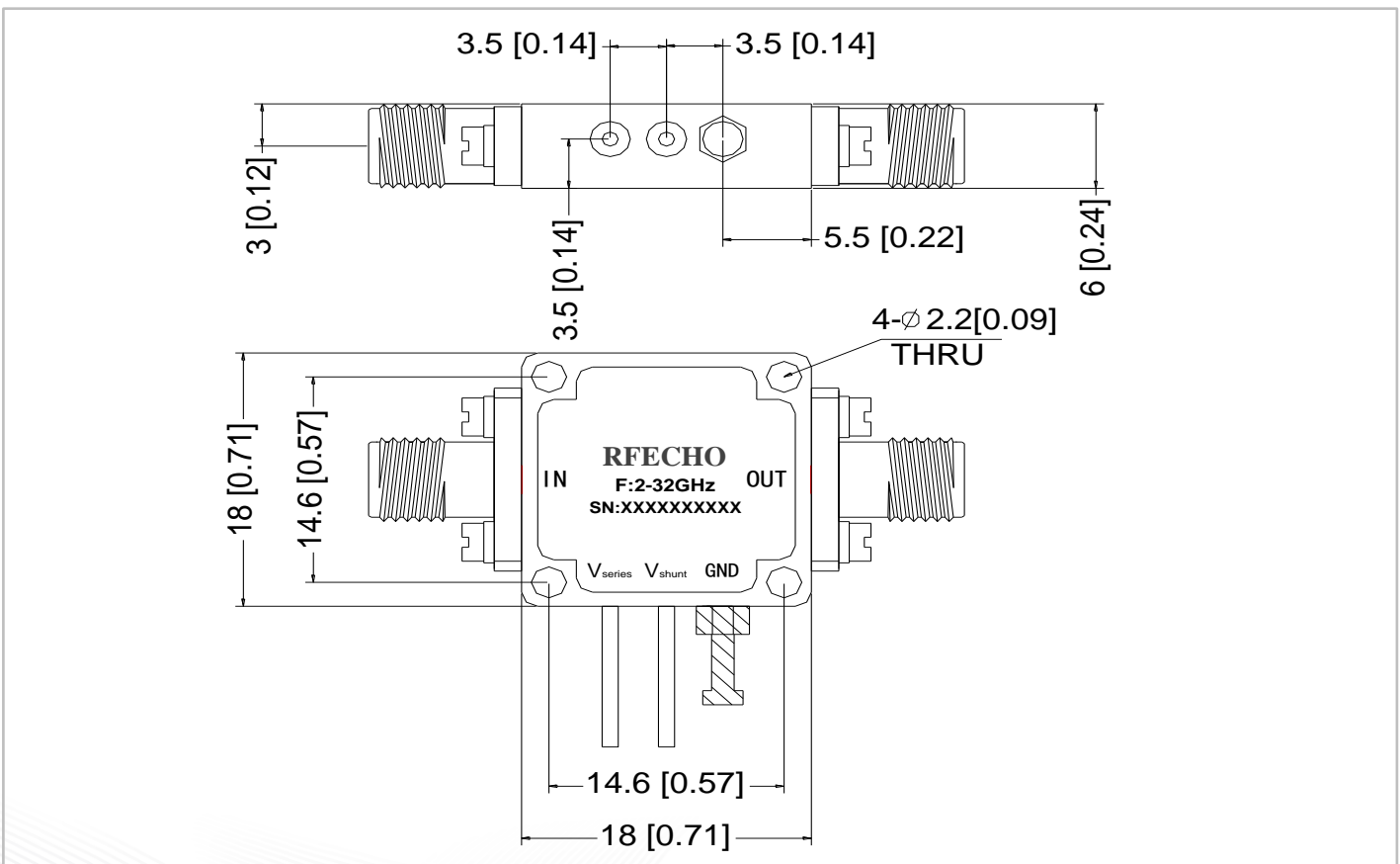
Part No.	Description
DBVA2002003200A	2-32GHz Voltage Control Attenuator

Environmental Specifications

Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+105°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions

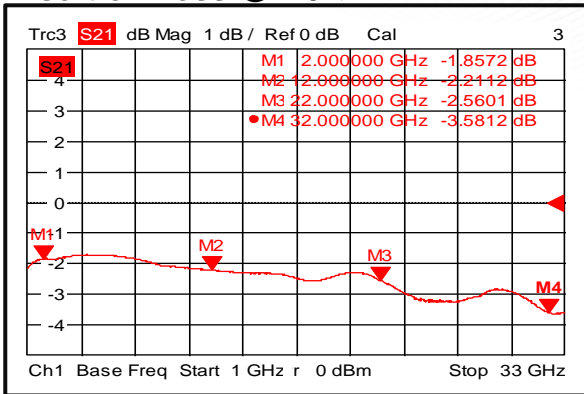
Outline Drawing:

All Dimensions in mm (inches)

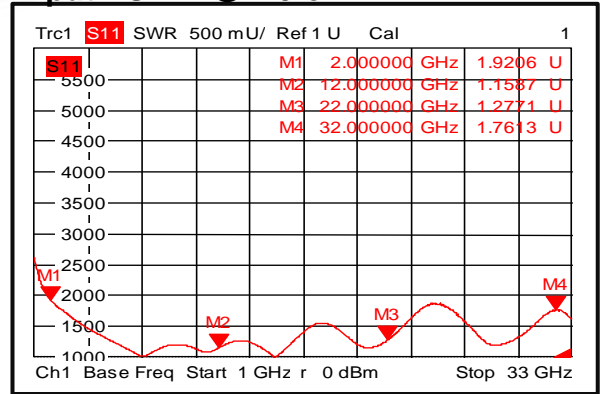




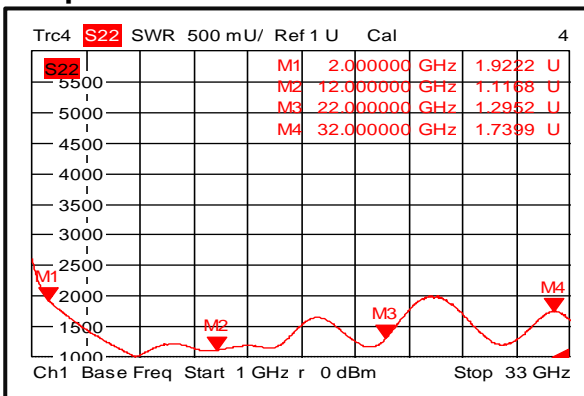
Insertion Loss @+25°C



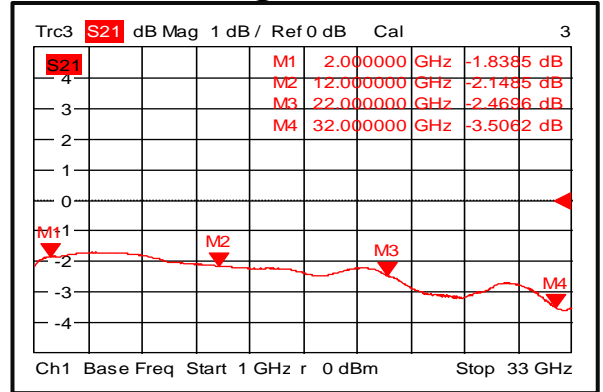
Input VSWR @+25°C



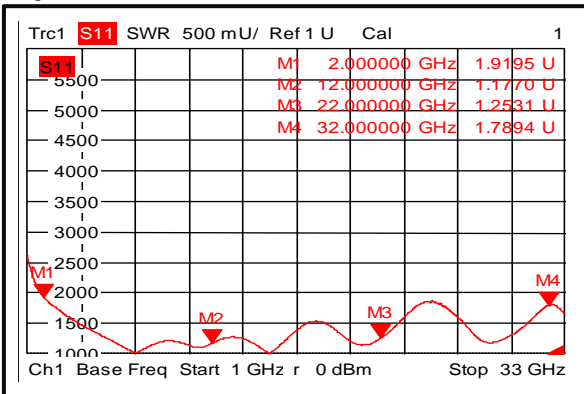
Output VSWR @+25°C



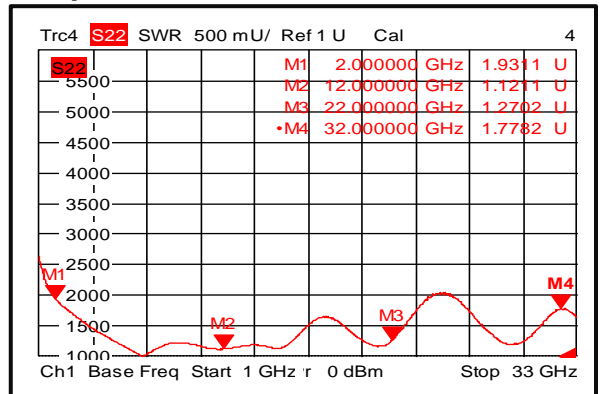
Insertion Loss @-40°C



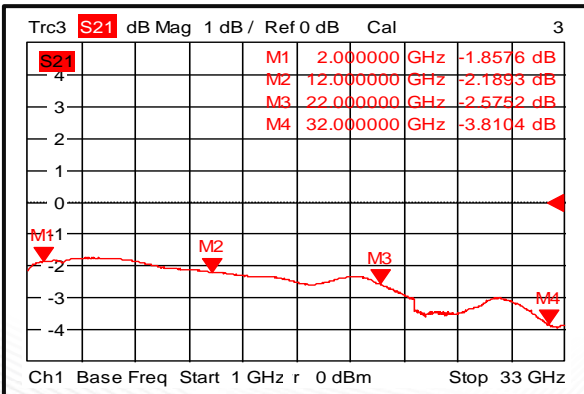
Input VSWR @-40°C



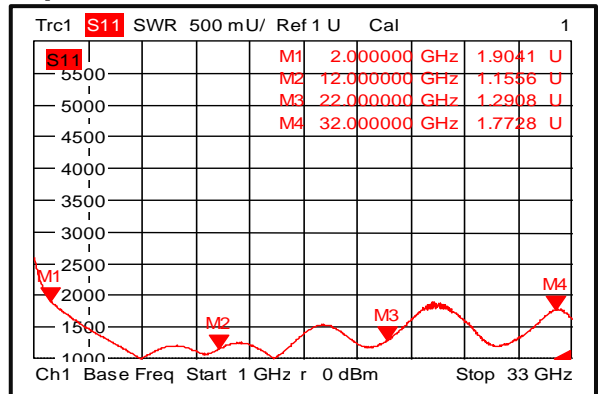
Output VSWR @-40°C



Insertion Loss @+85°C

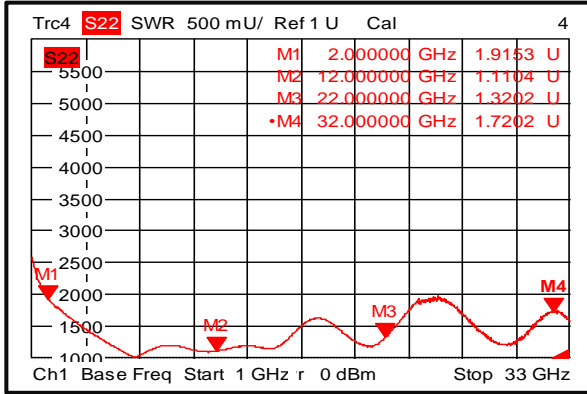


Input VSWR @+85°C

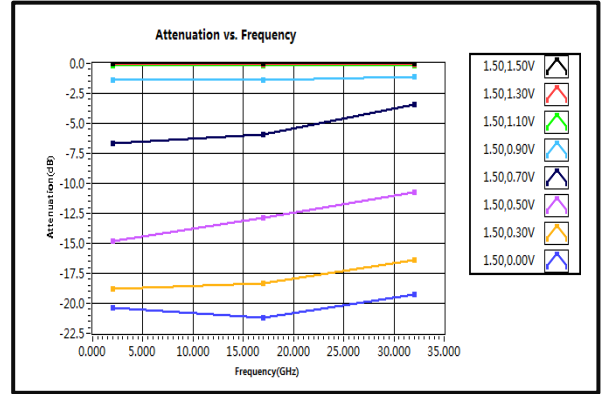




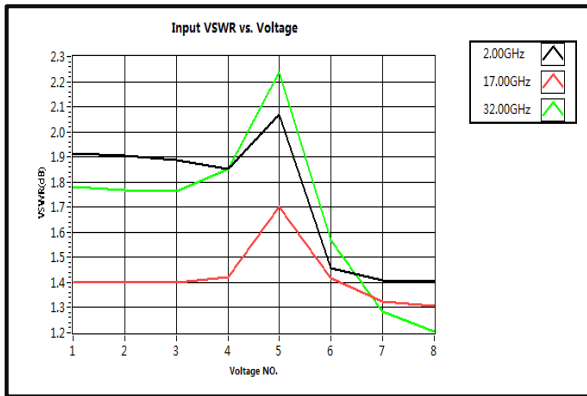
Output VSWR @+85°C



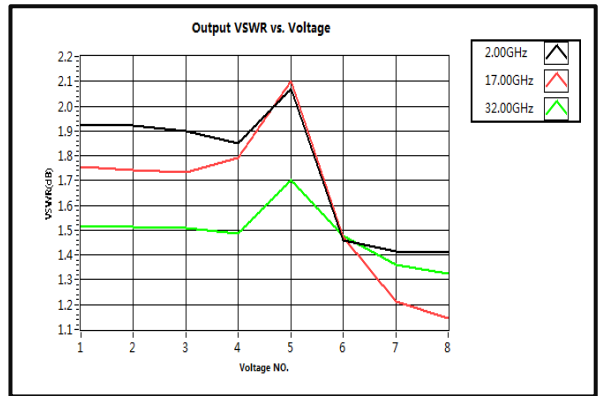
Attenuation vs. Frequency



Input VSWR vs. Voltage



Output VSWR vs. Voltage



Phase vs. Frequency

