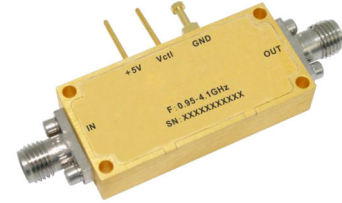




Absorptive Voltage Control Attenuator 0.95-4.1GHz

Features

- Wide Band Operation 0.95-4.1GHz
- Wide Attenuation Range 70dB
- Absorptive Topology
- Single Control Operation
- Customization available upon request



Parameters	Min.	Typ.	Max.	Units
Frequency Range	0.95-4.1			GHz
Attenuation Range	70			dB
Insertion Loss		3	4	dB
Insertion Loss Temperature Coefficient		0.003		dB/ °C
Input VSWR		1.3	2.0	:1
Output VSWR		1.3	2.0	:1
0.1dB Compression Point P0.1dB		24		dBm
Input IP3		40		dBm
Switching Speed		2.5		us
Weight	/			ounces
Impedance		50		Ω
Control Voltage		0~2		V
Bias Current		0.35		mA
Input / Output Connectors	SMA-Female			
Finishing	Gold plating			
Material	Aluminum			
Sealing	Hermetically Sealed (optional)			



Absolute Maximum Ratings

Control Voltage	0V ~ 2.5V
RF Input power	+27dBm

Environmental Specifications

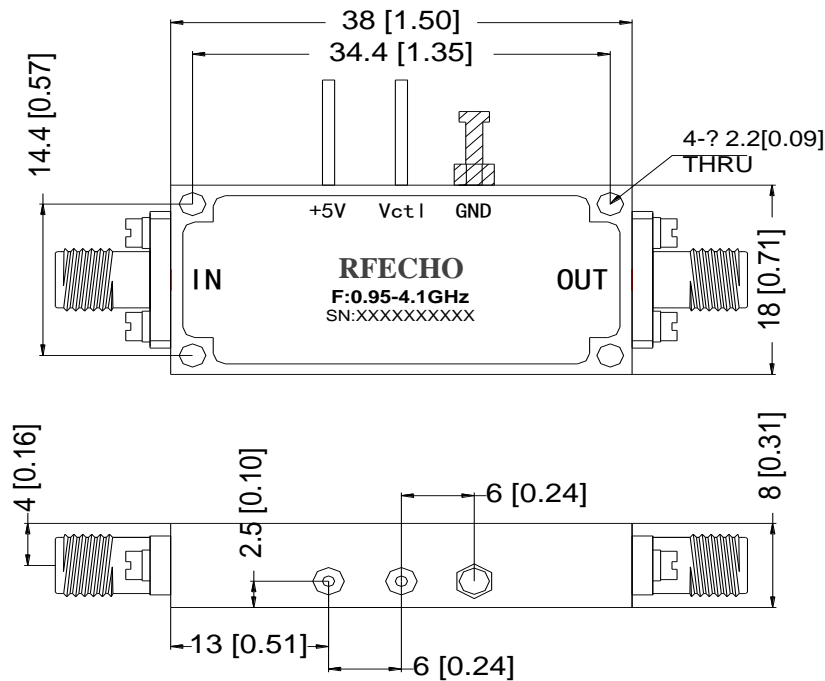
Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+105°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH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

Ordering Information

Part No.	Description
DBVA7000950410A	0.95-4.1GHz Voltage Control Attenuator

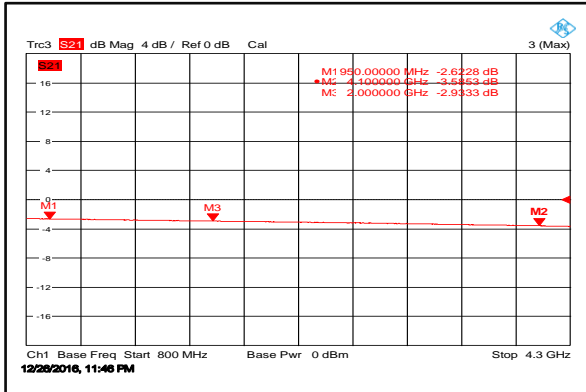
Outline Drawing:

All Dimensions in mm (inches)

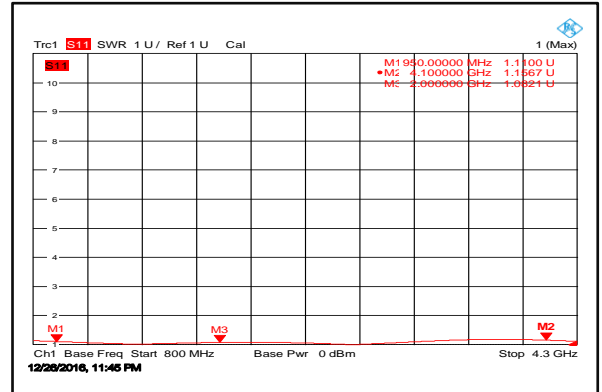




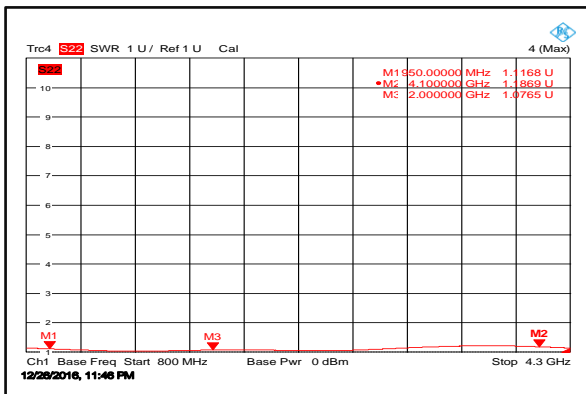
Insertion Loss



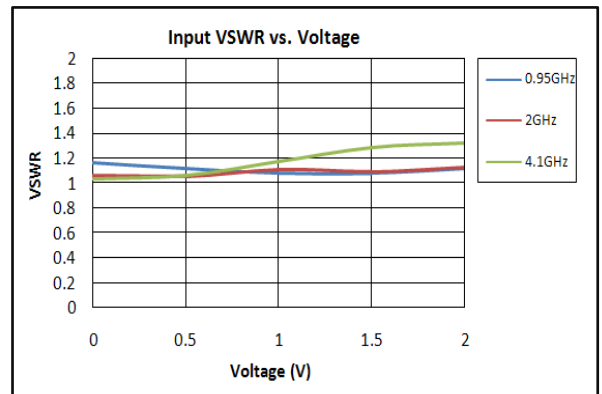
Input VSWR



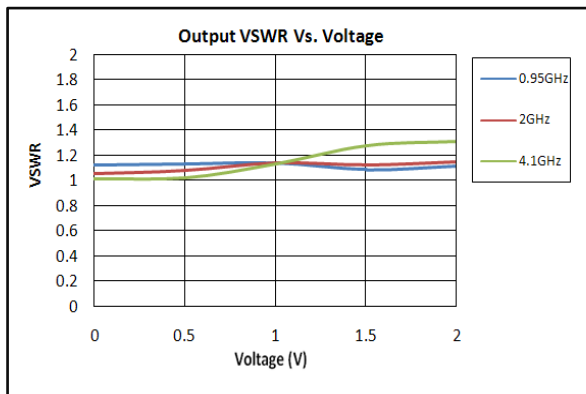
Output VSWR



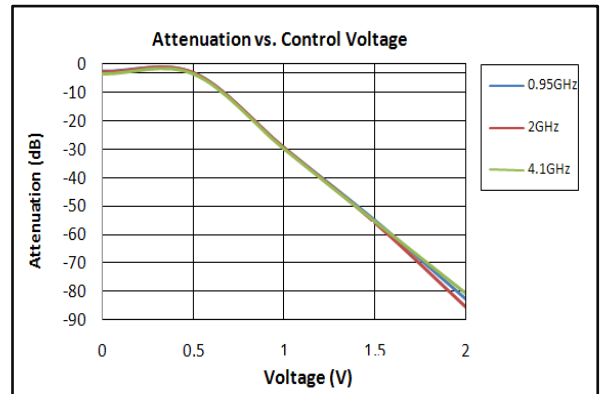
Input VSWR vs. Voltage



Output VSWR Vs. Voltage

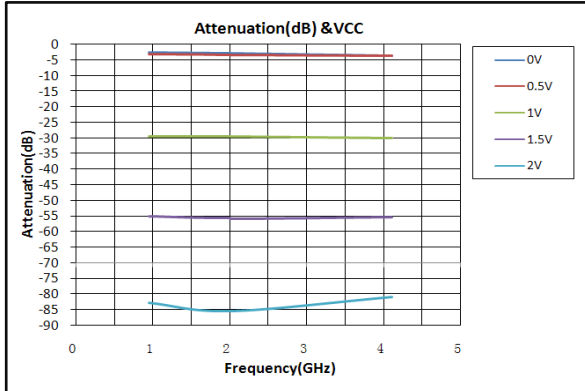


Attenuation vs. Control Voltage

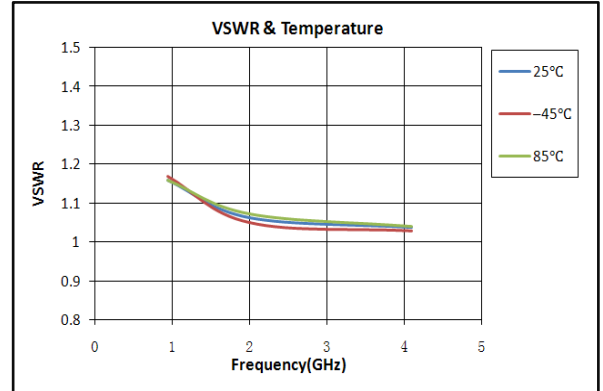




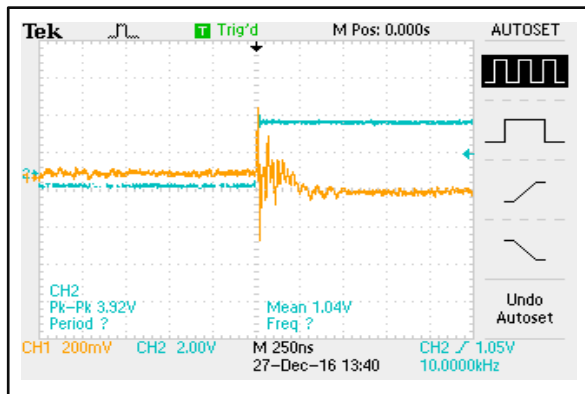
Attenuation(dB) & VCC



VSWR & Temperature



speed



speed

