

### 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**

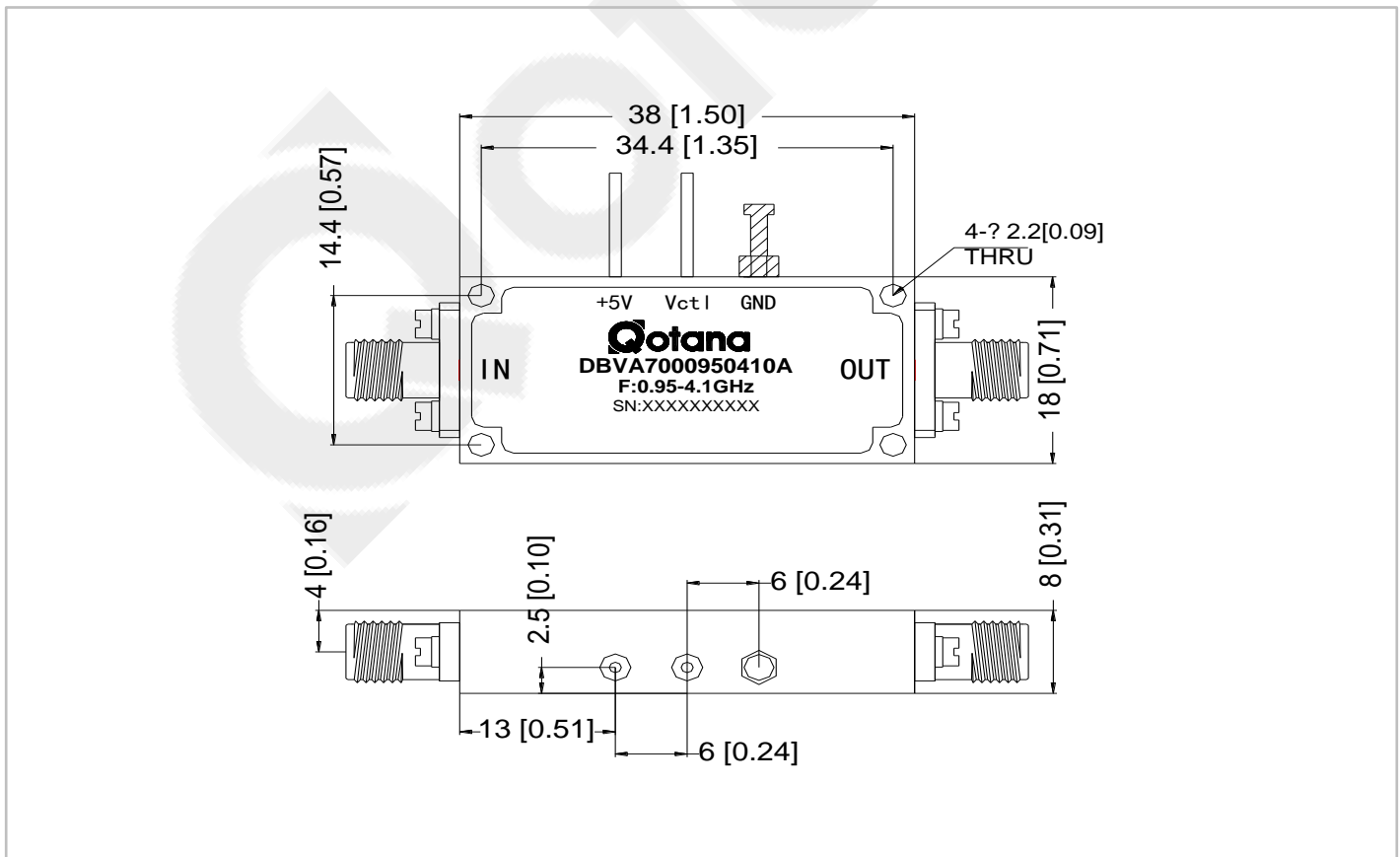
Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+105°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH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

**Ordering Information**

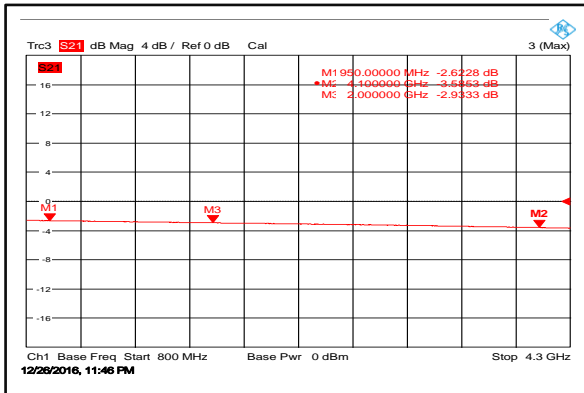
Part No.	Description
DBVA7000950410A	0.95-4.1GHz Voltage Control Attenuator

**Outline Drawing:**

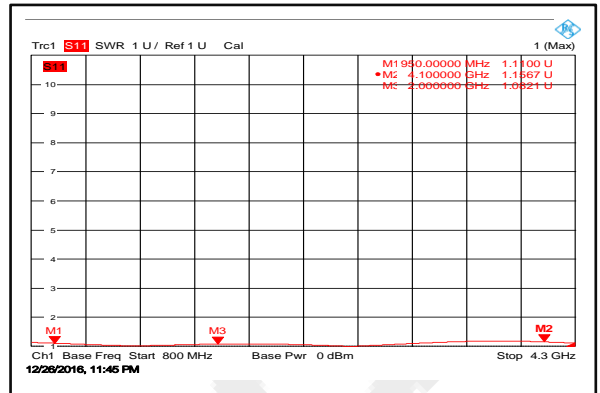
All Dimensions in mm (inches)



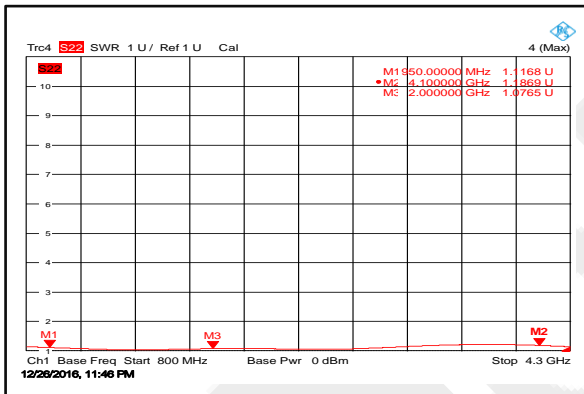
### Insertion Loss



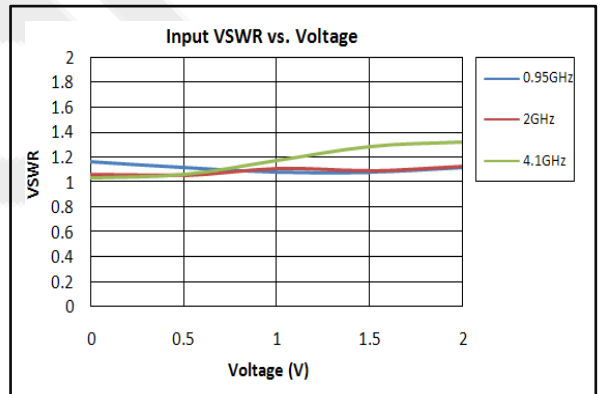
### Input VSWR



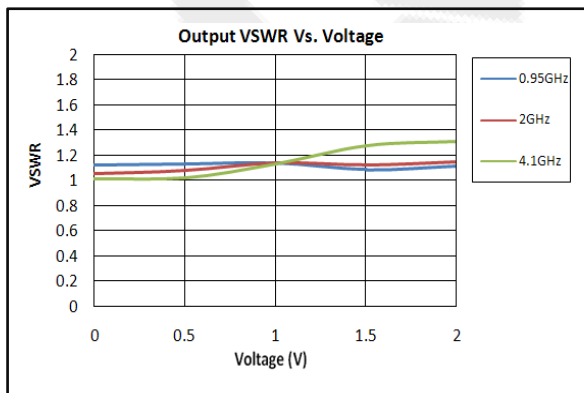
### Output VSWR



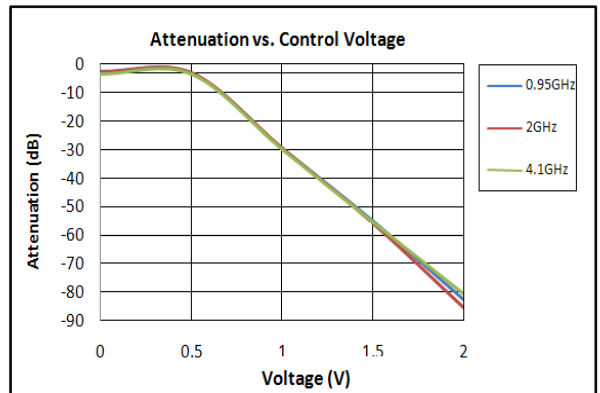
### Input VSWR vs. Voltage



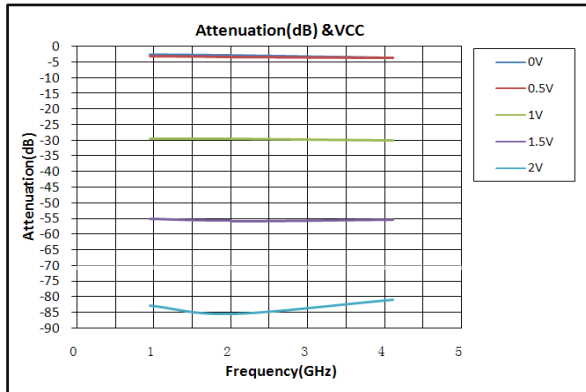
### Output VSWR Vs. Voltage



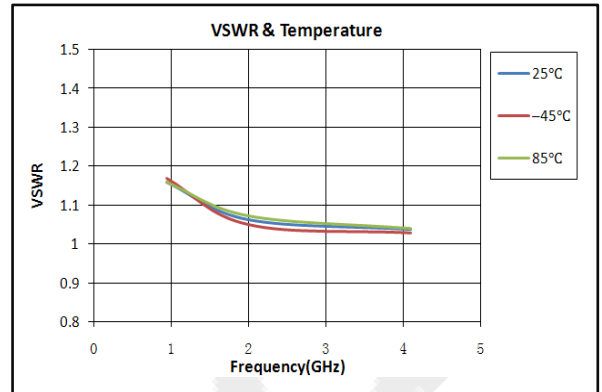
### Attenuation vs. Control Voltage



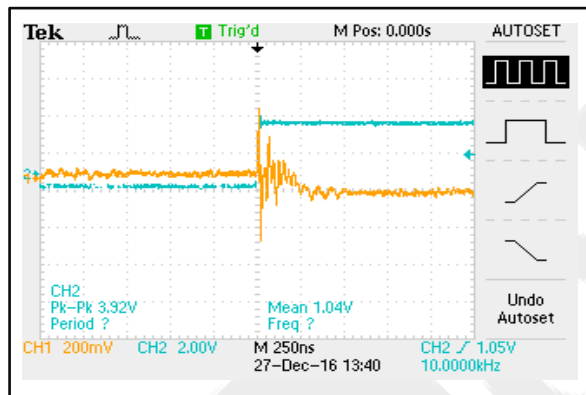
Attenuation(dB) & VCC



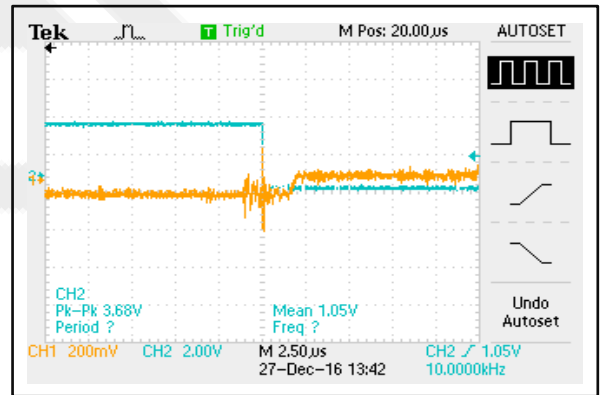
VSWR & Temperature



speed



speed



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