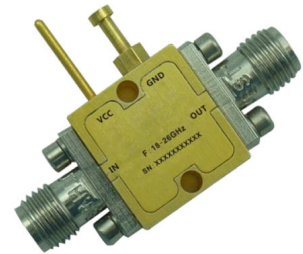




# Reflective Voltage Control Attenuator 18-26GHz

## Features

- Wide Band Operation 18-26GHz
- Wide Attenuation Range 30dB
- Reflective Topology
- Single Voltage Control Operation
- Customization available upon request



Parameter	Min	Typ.	Max	Units
Frequency Range		18-26		GHz
Attenuation Range		30		dB
Insertion Loss		1.5	2.2	dB
Insertion Loss Temperature Coefficient		0.003		dB/ °C
Input VSWR		1.8	2	: 1
Output VSWR		1.8	2	: 1
Input Power			30	dBm
0.1dB Compression Point P0.1dB		30		dBm
Input Ip3		43		dBm
Switching Speed			2.5	us
Control Voltage	0	10		V
Weight		0.35		ounces
Impedance		50		$\Omega$
Bias Current		20		mA
Input / Output Connectors		SMA - Female		
Finish		Gold plated		
Material		copper		
Sealing		Hermetically Sealed (Optional)		



### Absolute Maximum Ratings

Control Voltage	0~ 13V
RF Input power	+30dBm

### Environmental Specifications

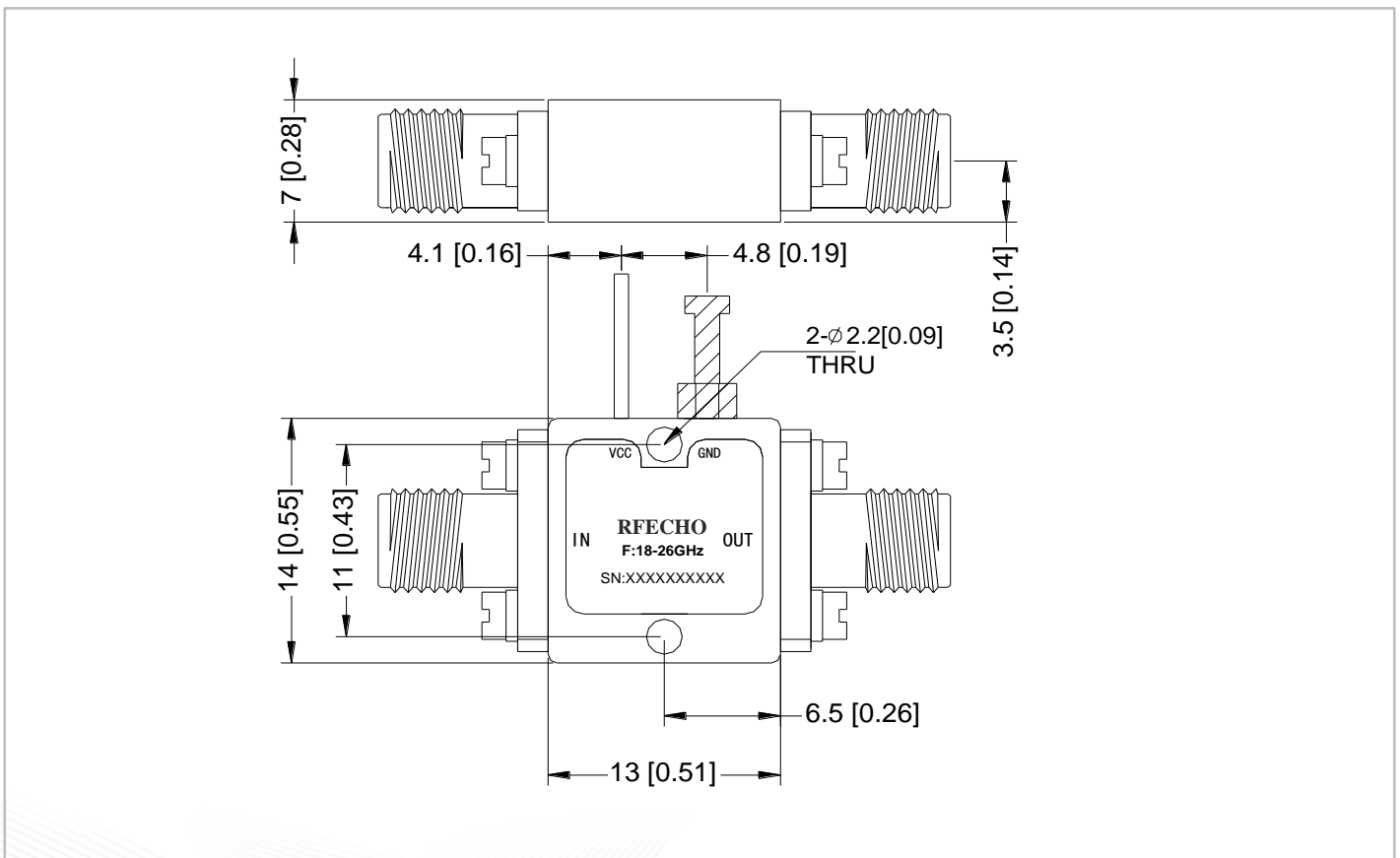
Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+105°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH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

### Ordering Information

Part No.	Description
DBVA3018002650A	18-26GHz Voltage Control Attenuator

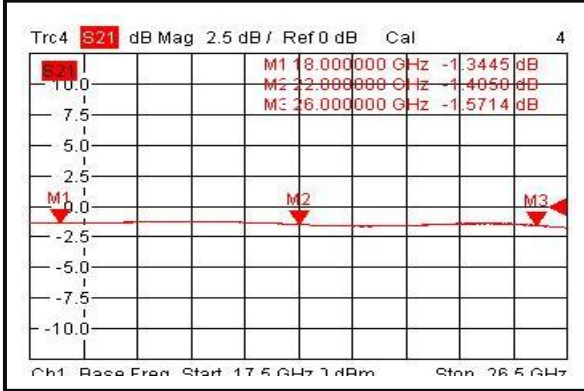
### Outline Drawing:

All Dimensions in mm (inches)

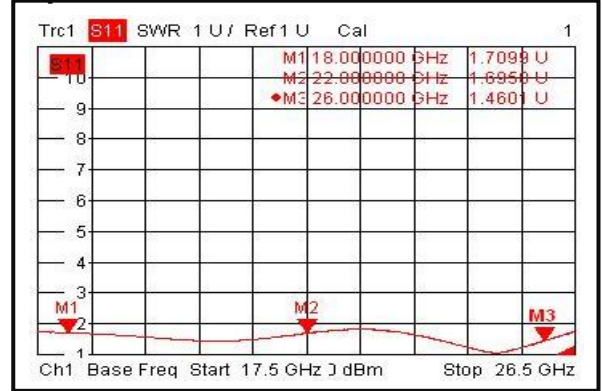




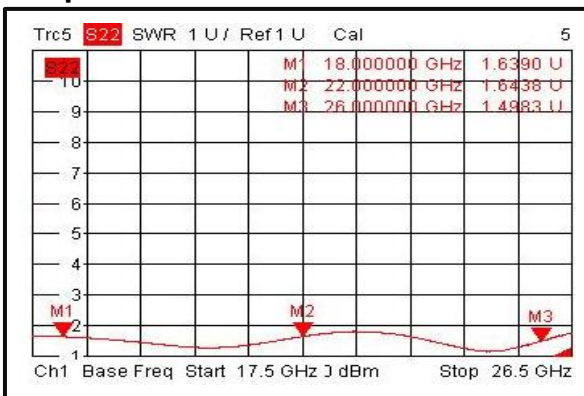
### Insertion Loss @+25°C



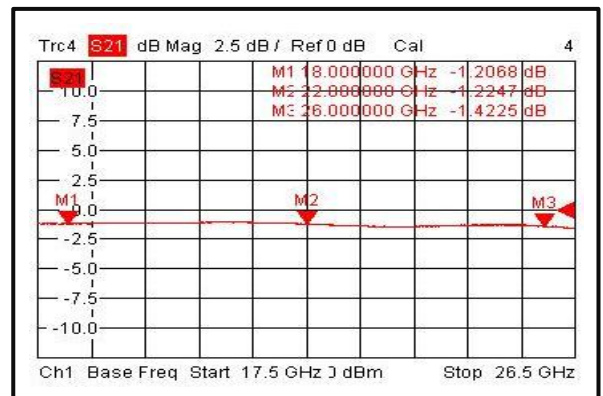
### Input VSWR @+25°C



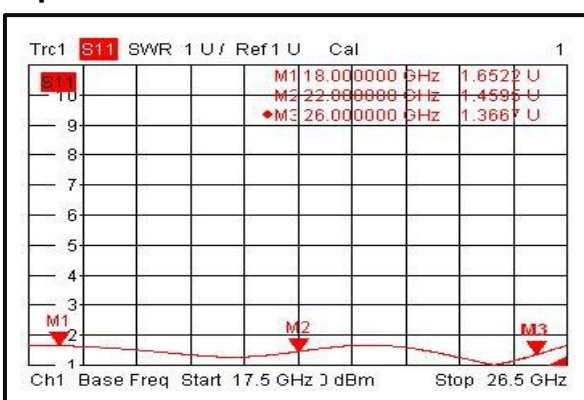
### Output VSWR @+25°C



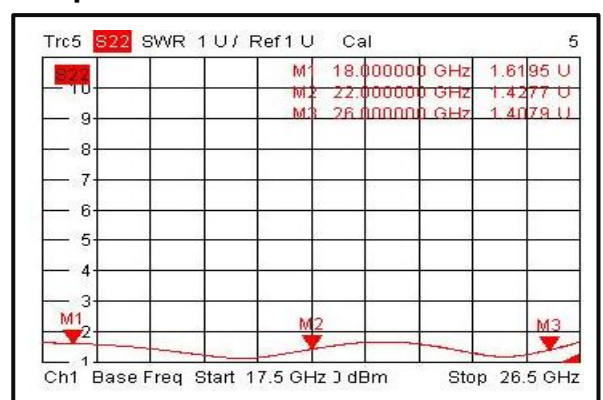
### Insertion Loss @-40°C



### Input VSWR @-40°C

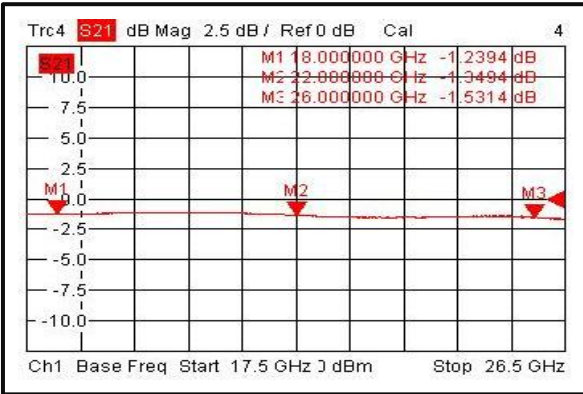


### Output VSWR @-40°C

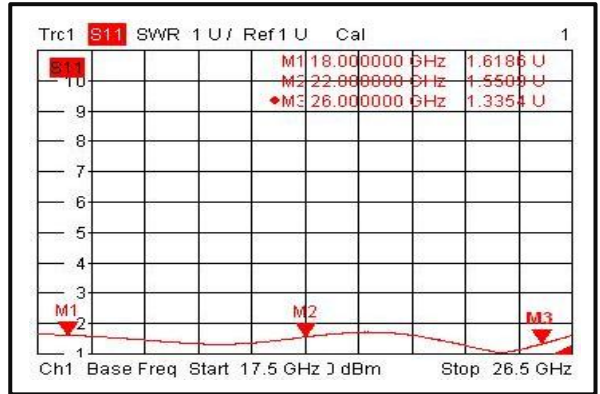




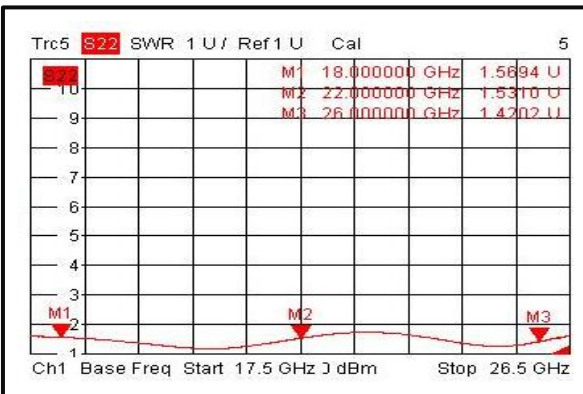
### Insertion Loss @+85°C



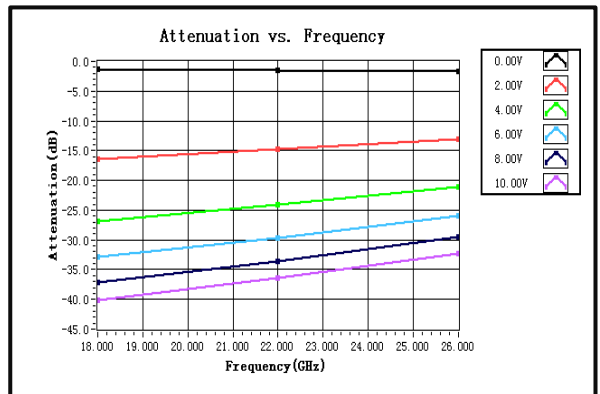
### Input VSWR @+85°C



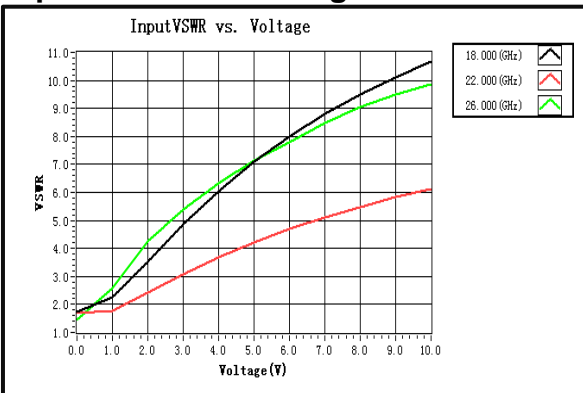
### Output VSWR @+85°C



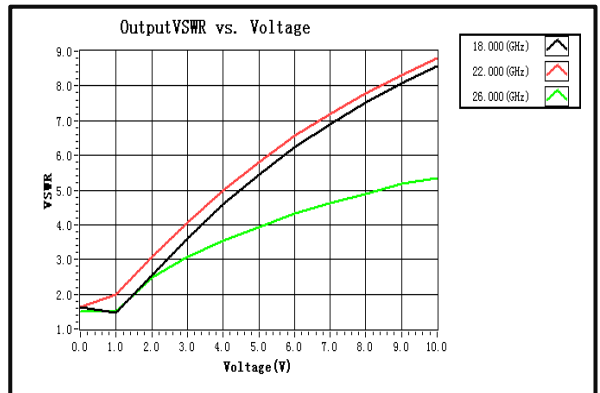
### Attenuation vs. Frequency



### Input VSWR vs. Voltage

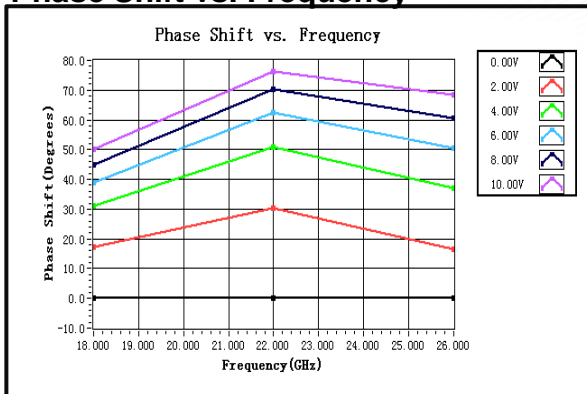


### Output VSWR vs. Voltage

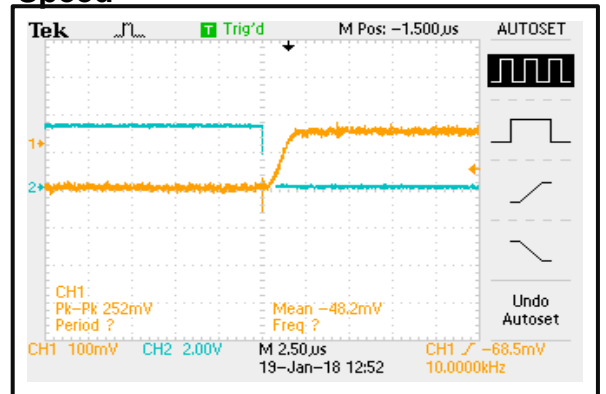




### Phase Shift vs. Frequency



### Speed



### Speed

