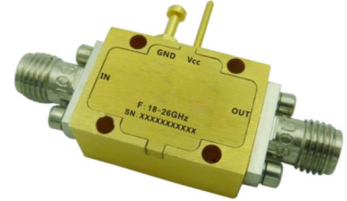


Voltage Control Phase Shifter 18-26GHz



Features

- Wide Band Operation 18-26GHz
- 360° Phase Shift
- Low Insertion Loss
- Single Control Operation
- Customization available upon request

Parameters	Min	Typ.	Max	Units
Frequency Range	18		26	GHz
Phase Range		360		°
Insertion Loss		11	15	dB
Insertion Loss Temperature Coefficient		0.008		dB/ °C
Phase Flatness		±5	±25	°
Control Voltage	0	13		V
Input VSWR		2.5	3.5	:1
Output VSWR		2.5	3.5	:1
0.1dB Compression Point (P0.1dB)		23		dBm
Current		5		mA
Weight		0.71		ounces
Impedance		50		Ω
Input / Output Connectors	SMA-Female			
Finish	Gold Plated			
Material	Aluminum			
Seal	Hermetically Sealed (Optional)			



Absolute Maximum Ratings

Control Voltage	0~ 15V
RF Input power	+26dBm

Environmental Specifications

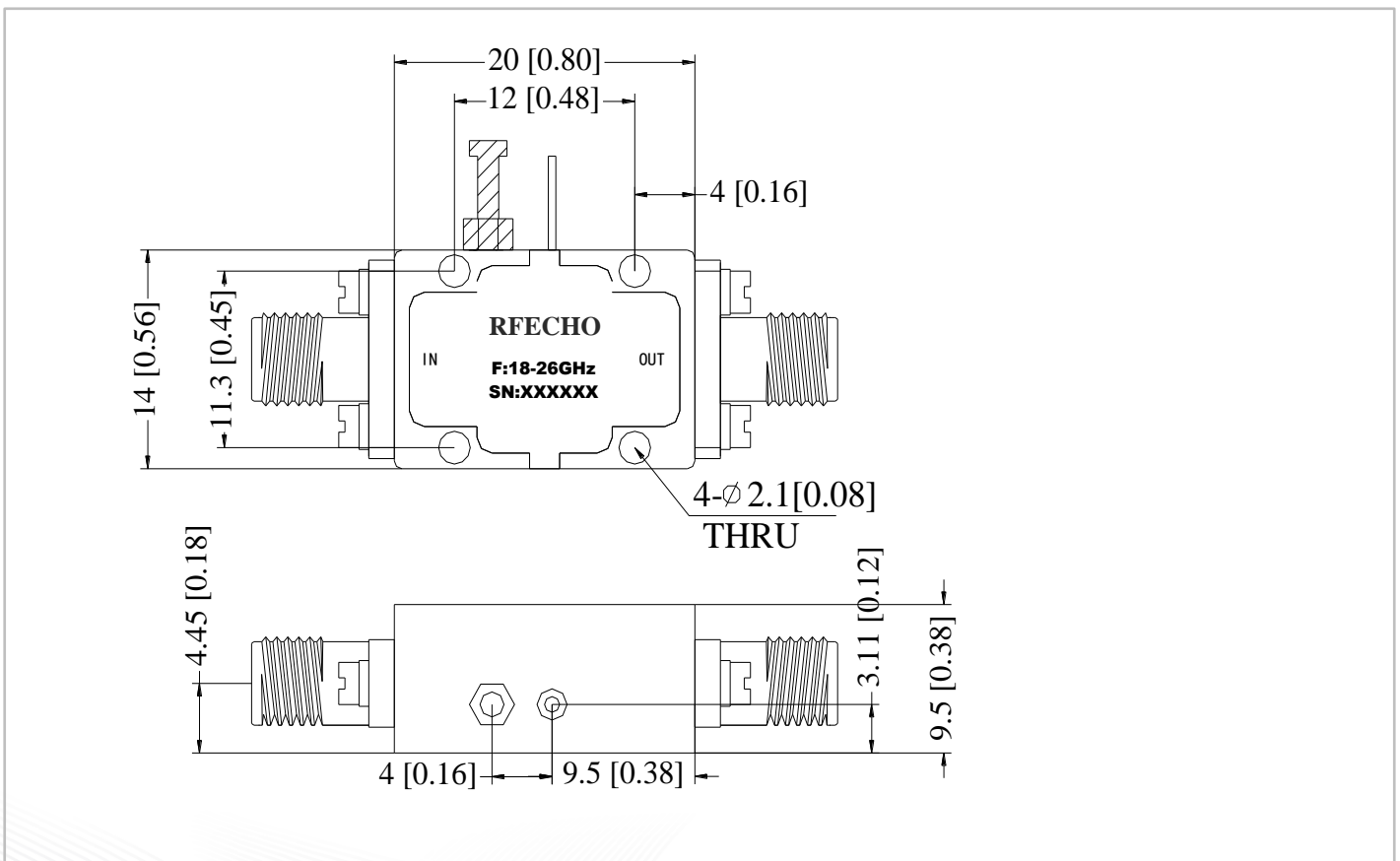
Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+105°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH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

Ordering Information

Part No.	Description
DBVCPS18002200A	18-26GHz Voltage Phase Shifter

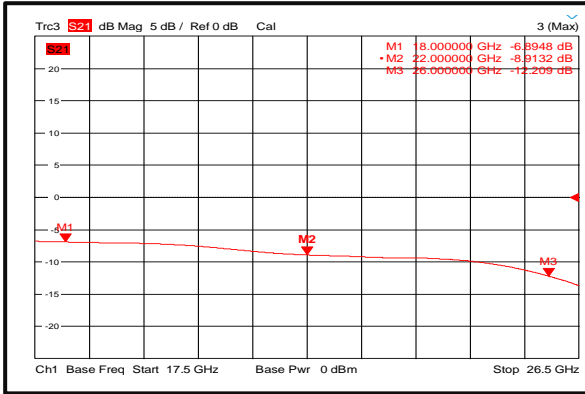
Outline Drawing:

All Dimensions in mm (inches)

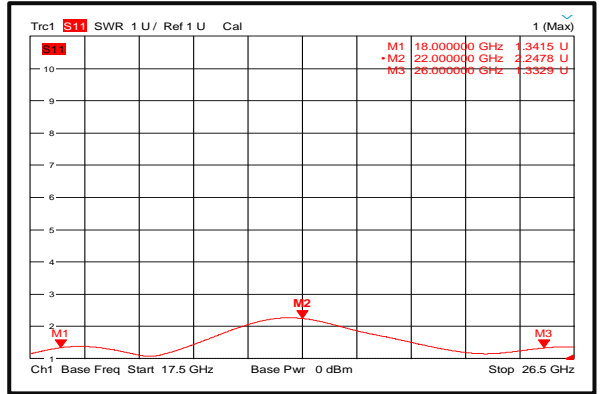




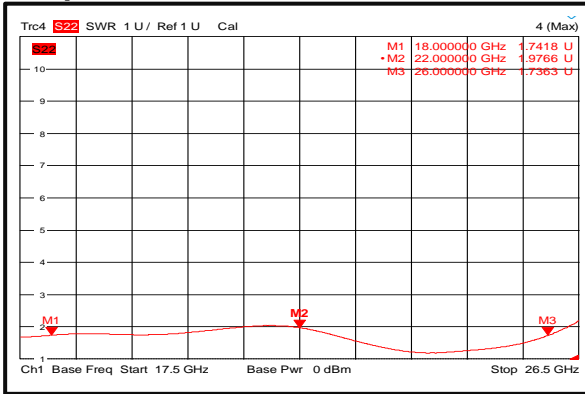
Insertion Loss @ +25°C



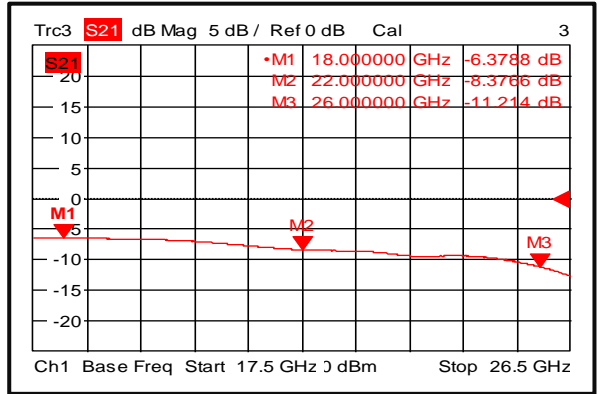
Input VSWR @ +25°C



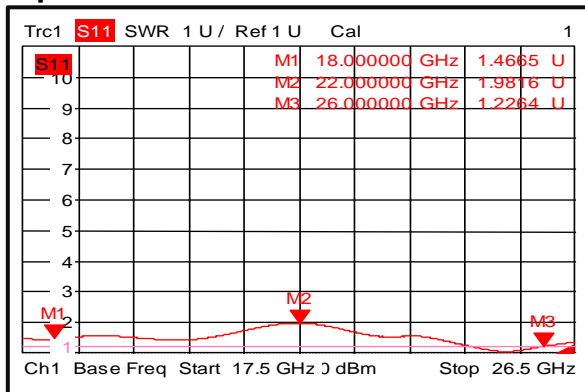
Output VSWR @ +25°C



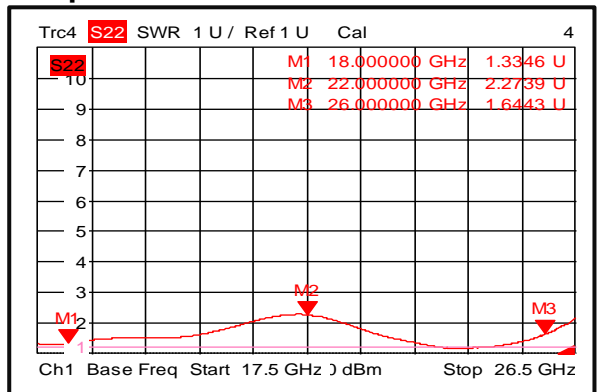
Insertion Loss @ -40°C



Input VSWR @ -40°C

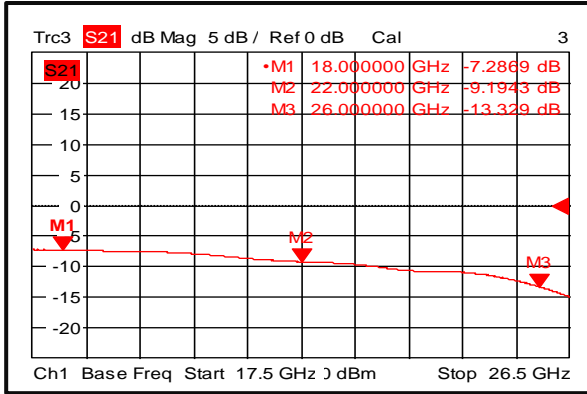


Output VSWR @ -40°C

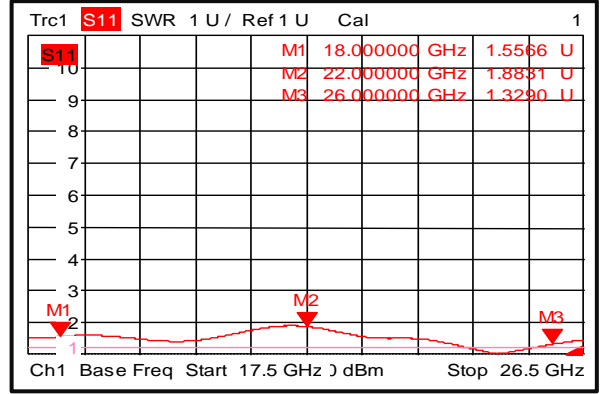




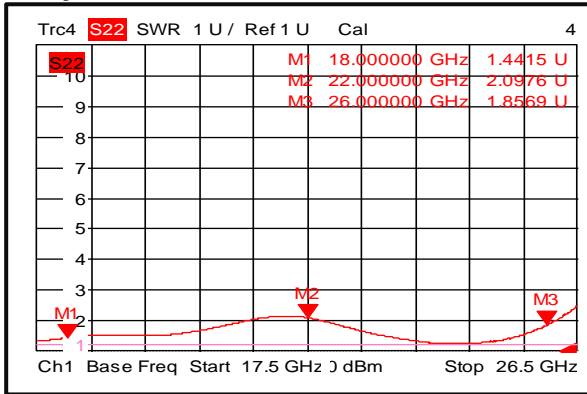
Insertion Loss @ +85°C



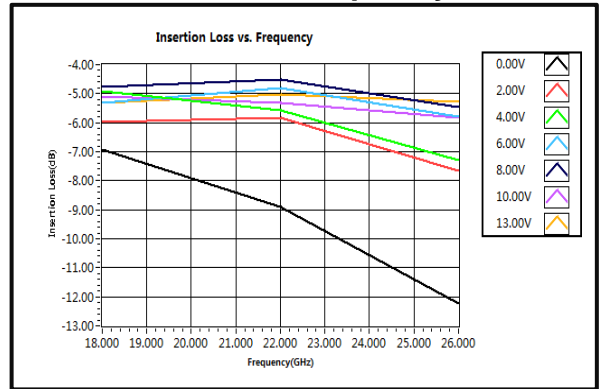
Input VSWR @ +85°C



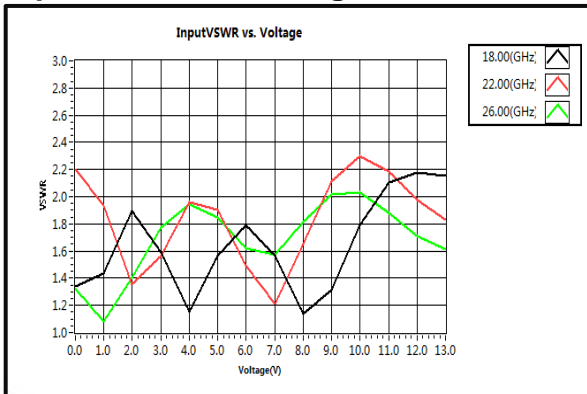
Output VSWR @ +85°C



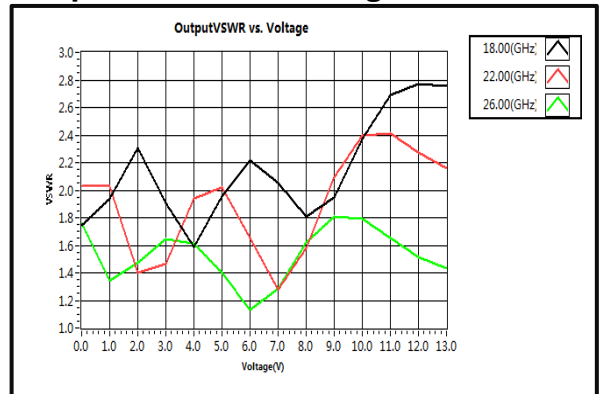
Insertion Loss vs. Frequency



Input VSWR vs. Voltage

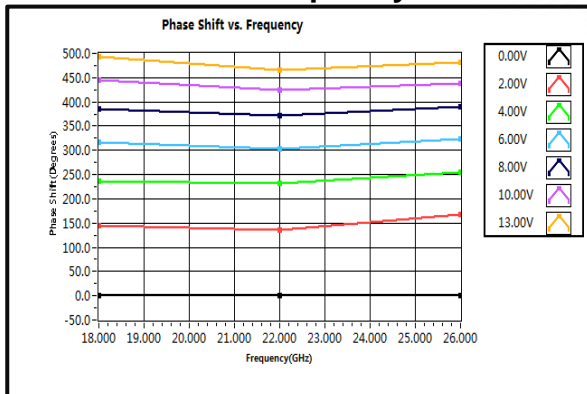


Output VSWR vs. Voltage

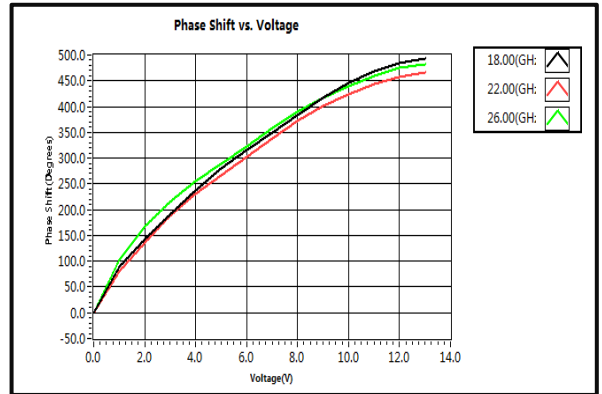




Phase Shift vs. Frequency



Phase Shift vs. Voltage



Attenuation vs. Frequency

