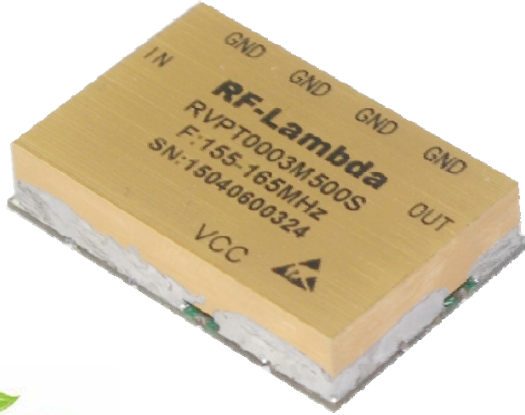




Voltage Control Phase Shifter 155-165MHz



Features

- Wide Band Operation 155-165MHz
- 500° Phase Shift
- Low Insertion Loss and Low Phase Error
- Single Control Operation
- Customization available upon request



Electrical Specifications, TA = +25 °C

Description	PN:RVPT0003M500S			
	Voltage Control Phase Shifter			
Parameters	Min	Typ.	Max	Units
Frequency Range	155-165			MHz
Phase Range	500			°
Insertion Loss		6	7	dB
Insertion Loss Temperature Coefficient		0.01		dB/°C
Phase Flatness			±10	°
Control Voltage	0		12	V
Input VSWR		1.5	1.6	ratio
Output VSWR		1.5	1.6	ratio
Input Power for 1 dB Compression		23		dBm
IM3		30		dBc
Weight	1.2			ounces
Impedance	50			Ω
current	5			mA
Finishing	Gold Plating			
Material	Aluminum			
Package	SMD			

Voltage Control Phase Shifter 155-165MHz



Absolute Maximum Ratings

Control Voltage	0~ 13V
RF Input power	+23dBm
Operating Temperature(°C)	-45 ~ +85
Storage Temperature(°C)	-50 ~ +125

Ordering Information

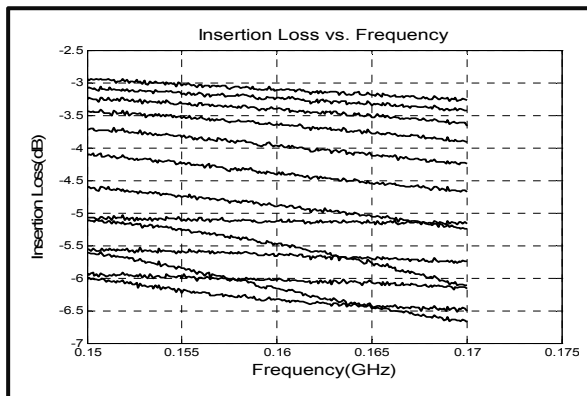
Part No	ECCN	Description
RVPT0003M500S	EAR99	155-165MHz Voltage Control Phase Shifter

Environment specifications

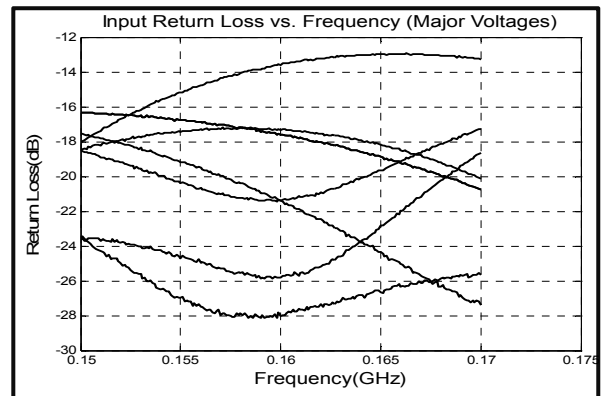
Operational Temperature (°C)	-45 ~ +85
Storage Temperature (°C)	-50 ~ +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40°C
Shock	20G for 11msc half sin wave,3 axis both directions

Typical performance plots

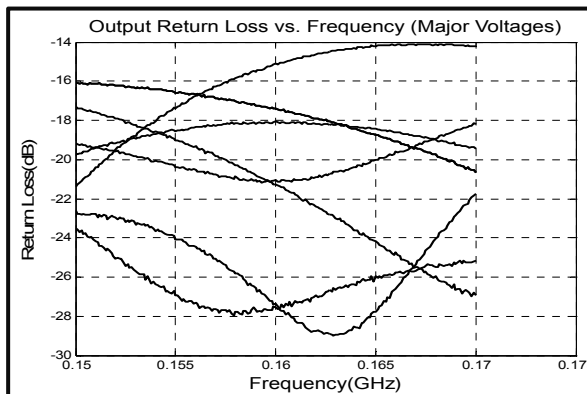
Insertion Loss vs. Frequency



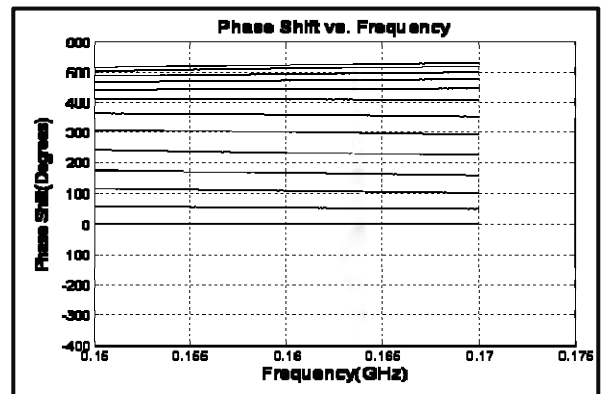
Input Return Loss vs. Frequency



Output Return Loss vs. Frequency

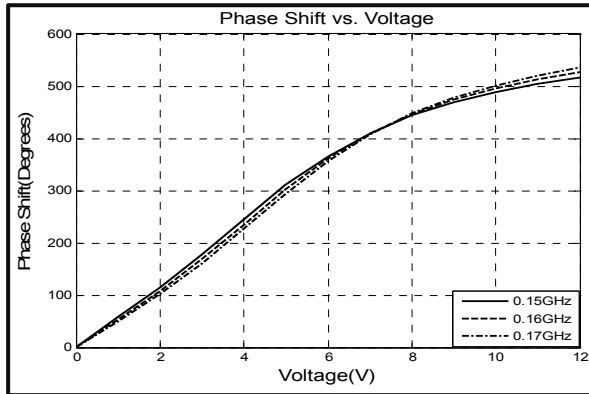


Phase Shift vs. Frequency



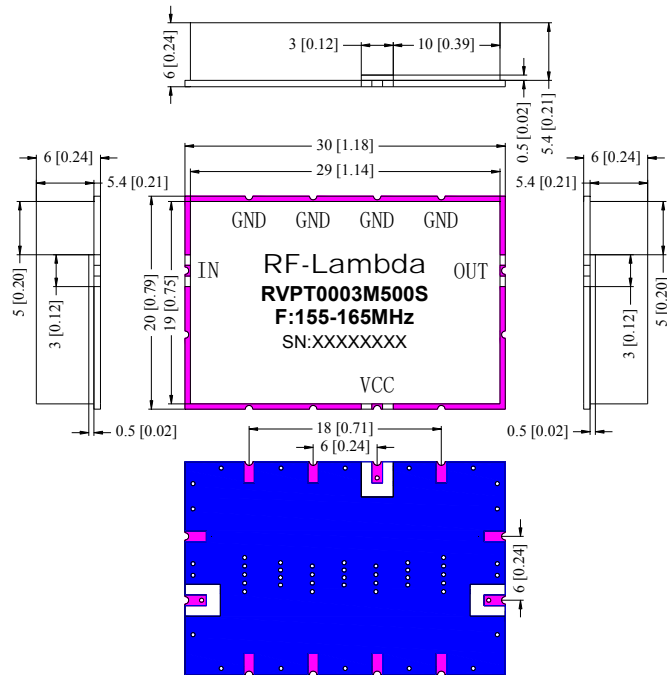


Phase Shift vs. Voltage



Outline Drawing:

All Dimensions in mm (inches)



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