Voltage Control Phase Shifter
22 - 29GHz

Note: The photo is for illustration purposes only.
Please refer to the outline drawing.

RoHS Compliant

Features

- Wide Band Operation 22-29GHz
- 360° Phase Shift
- Low Insertion Loss and Low Phase Error
- Customization available upon request

Typical Applications

- Wireless Infrastructure
- Test and Measurement
- Military and Aerospace

Electrical Specifications, TA = +25° C

Description	PN: RVPT2229GBC			
	Voltage Control Phase Shifter			
Parameters	Min	Typ.	Max	Units
Frequency Range	22		29	GHz
Phase Range		360		°
Insertion Loss		20		dB
Insertion Loss Temperature Coefficient		0.003		dB/°C
Phase Flatness		±15		°
Control Voltage	0	10		V
Input VSWR		2.5		:1
Output VSWR		2.5		:1
0.1dB Compression Point (P0.1dB)		20		dBm
Current	5			mA
Impedance	50			Ω
Weight	0.71			ounces
Input / Output Connectors	2.92-Female			
Finish	Gold Plated			
Material	Aluminum			
Package Sealing	Hermetically Sealed (Optional)			

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Absolute Maximum Ratings

Control Voltage	0~ 15V
RF Input power	+20dBm

Ordering Information

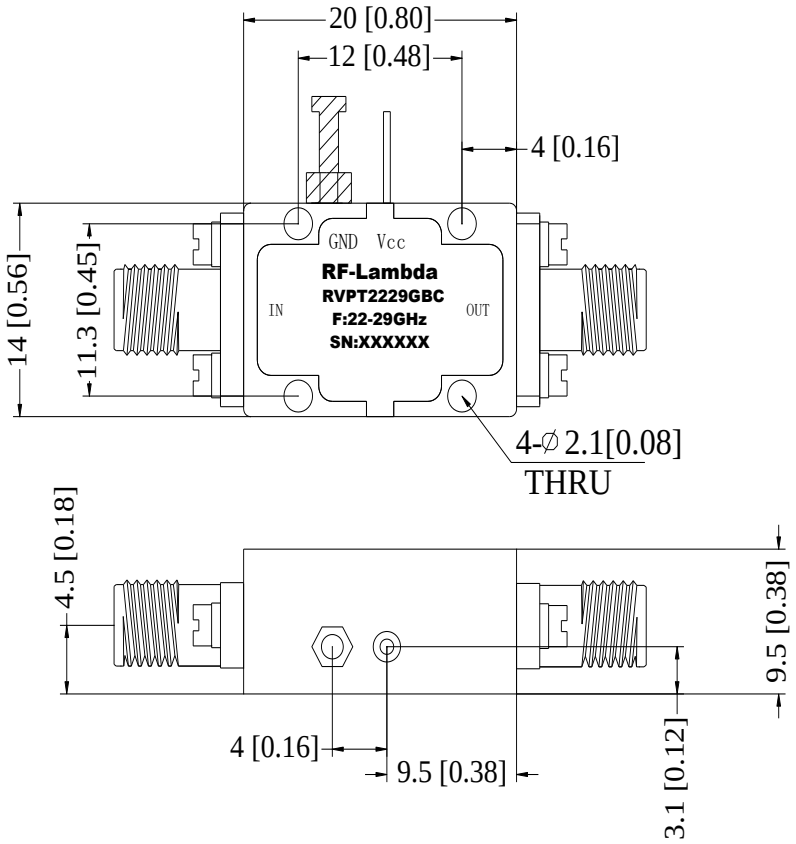
Part No.	ECCN	Description
RVPT2229GBC	EAR99	22-29GHz Voltage Control Phase Shifter

Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-45℃~+85℃
Storage Temperature		-55℃~+125℃
Thermal Shock		1 Hour@ -45℃ → 1 Hour @ +85℃ (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85℃ for 72 Hours
Shock		1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s 2. Weight <=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s 3. Total 18 times (6 directions, 3 repetitions per direction).
Altitude		Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)	MIL-STD-883	MIL-STD-883 (For Hermetically Sealed Units)

Outline Drawing:

All Dimensions in mm [inches]



Important Notice