



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RVPT1822GBC

Voltage Control Phase Shifter 18 - 26GHz



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



Features

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

Electrical Specifications, TA = +25 °C

Description	PN: RVPT1822GBC			
	Voltage Control Phase Shifter			
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 (Po.1dB)		23		dBm
Current	5			mA
Impedance	50			Ω
Input / Output Connectors	2.92mm-Female			
Finish	Gold Plated			
Material	Copper			
Sealing	Hermetically Sealed (Optional)			

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Absolute Maximum Ratings

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

Ordering Information

Part No.	ECCN	Description
RVPT1822GBC	EAR99	18-22GHz Voltage Control Phase Shifter

Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-45°C~+85°C
Storage Temperature		-55°C~+125°C
Thermal Shock		1 Hour@ -45°C → 1 Hour @ +85°C (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85°C 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	MIL-STD-883	Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)		MIL-STD-883 (For Hermetically Sealed Units)



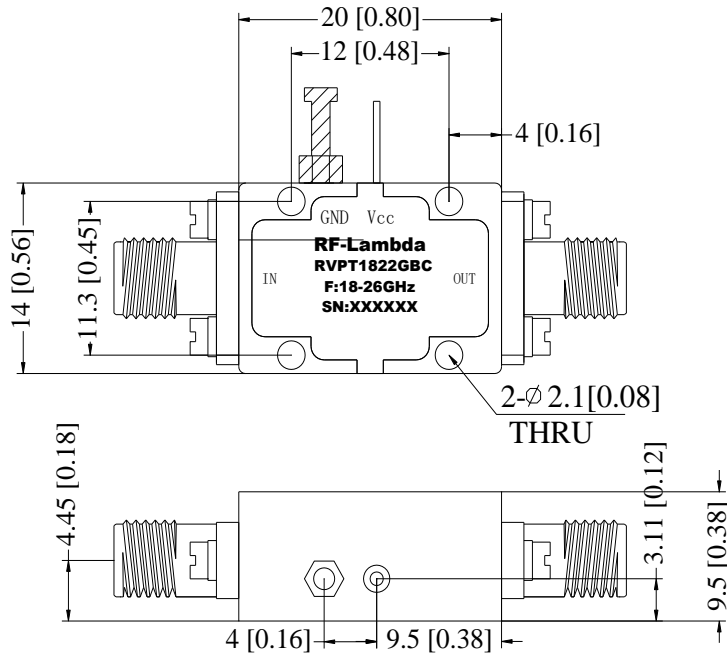
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Outline Drawing:

All Dimensions in mm [inches]



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