



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RVPT2127GBC

Voltage Control Phase Shifter 21 - 27GHz

Features

- Wide Band Operation 21-27GHz
- 360° Phase Shift
- Low Insertion Loss
- Single Control Operation
- Customization available upon request



Electrical Specifications, TA = +25 °C

Description	PN:RVPT2127GBC			
	Voltage Control Phase Shifter			
Parameters	Min	Typ.	Max	Units
Frequency Range	21		27	GHz
Phase Range		360		deg
Insertion Loss		-14	-17	dB
Input Return loss		-10	-7	dB
Output Return loss		-10	-7	dB
Input IP3		30		dBm
Control Voltage	0		15	V
Modulation bandwidth		5		MHz
Voltage sensitivity (@ The 24GHz)		30		deg/Volt
Temperature Coefficient		0.4		deg/°C
Impedance	50			Ω

Voltage Control Phase Shifter 21 - 27GHz



Absolute Maximum Ratings

Control Voltage	20V
RF Input Power	+23dBm

Ordering Information

Part No.	ECCN	Description
RVPT2127GBC	EAR99	21-27GHz Voltage Control Phase Shifter

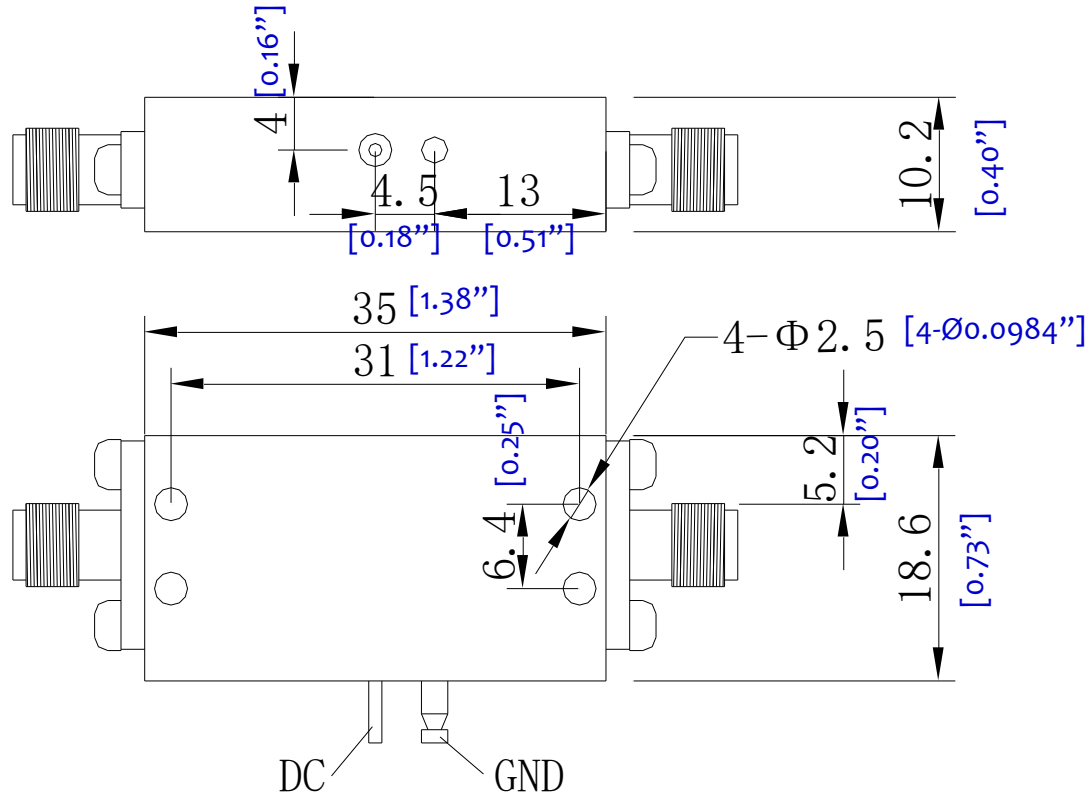
Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-40°C~+85°C
Storage Temperature		-55°C~+100°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)



Outline Drawing:

All Dimensions in mm [inches]



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