

Description

Mi-Wave's 145 series polarization switch is a TE11 mode device with both the input and output in circular waveguide. It is equipped with a standard pin-aligned circular flange.

Notes

Customer to specify the Center Frequency

S/N: N/A

Electrical Specifications

	Minimal	Typical	Maximum
Frequency	90 GHz		140 GHz
Bandwidth ** (contact sales@miwv.com for wider bands)		3 GHz	
Insertion Loss		1.0 dB	
Cross Polarization		20 dB	
VSWR		1.30:1	
Average Power			1.0 Watts
Peak Power		0.3 Watts	
Coil Resistance		3 ohms	
Current Drive (mA)	0		250
Switching Speed (usec)	2		5
0 Degrees		0 mA	
90 Degrees (or RH/LH Polarization)		30 mA	
180 Degrees (or Linear Polarization)		50 mA	
270 Degrees (or LH/RH Polarization)		90 mA	

Physical Specifications

Waveguide	0.094, 0.082, 0.075, .067 Inches ID Circular WG
Flange	UG-387/U-M
Waveguide Material	Brass
Finish	Gold Plated



Tested by: N/A

Date: 2020-10-22

