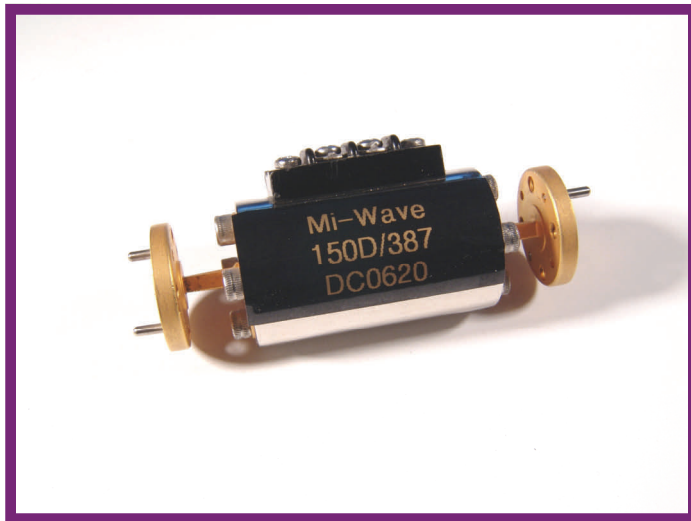


150 Series

Ferrite Phase Shifters



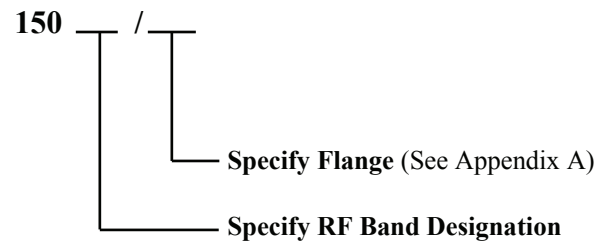
Features

- Fast Rise Time
- 360° Phase Shift
- Remote Controlled

Description 150 Series Phase Shifters

Mi-Wave's 150 series is a suppressed rotation reciprocal ferrite phase shifter, built completely in rectangular waveguide to suppress Faraday rotational tendencies in the ferrite at the frequency of operation. This construction allows a low variation in loss as phase is changed. Rise time is optimized through the use of stainless steel waveguide.

Ordering Information



Applications

The 150 series phase shifters are designed for applications that require high speed phase modulation or remote controlled operation.

Mi-Wave

Millimeter Wave Products Inc.

www.miwv.com

2200 Tall Pines Drive, Suite 100

Largo, FL 33771

Tel. (727) 536-0033 Fax. (727) 536-0012

E: sales@miwv.com

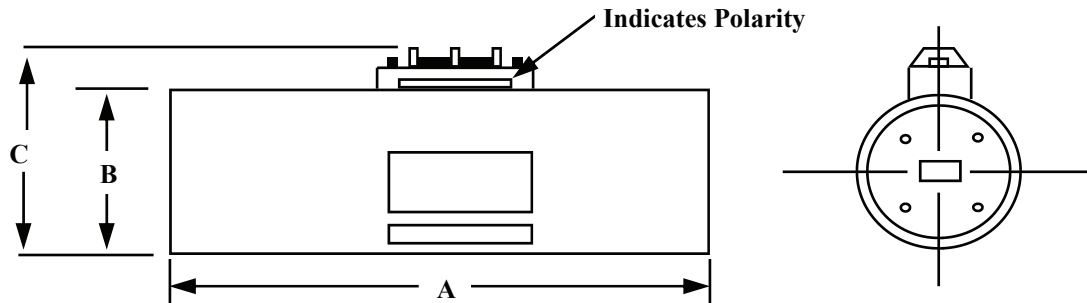
150 Series

Ferrite Phase Shifters

Technical Specifications

Model Number	150A	150B	150U	150V	150E	150W
Frequency Band (GHz)	26.5-40.0	33.0-50.0	40.0-60.0	50.0-75.0	60.0-90.0	75.0-110.0
Insertion Loss (db) Max.	2.5	2.7	2.7	3.0	3.0	3.0
VSWR Max.	1.30	1.30	1.30	1.30	1.35	1.35
Phase Shift ¹						
Bandwidth ²	2%	2%	2%	2%	2%	1%
Switching Speed (usec)	20	20	20	15	15	15
Average Power (Watts)	5.0	4.0	2.0	1.0	1.0	0.5
Power, Peak (kW)	2.0	1.5	1.0	0.7	0.5	0.3
Weight (oz)	9.0	8.0	6.0	4.0	3.0	3.0

1. Consult factory for amount of phase shift.
2. Specify center frequency.



Dimensional Specifications

Model	A		B		C	
	B					
No.	in	mm	in	mm	in	mm
150A	6.00	152.4	1.25	31.8	1.53	38.9
150B	3.30	83.8	1.25	31.8	1.53	38.9
150U	3.30	83.8	1.25	31.8	1.53	38.9
150V	3.00	76.2	0.88	22.4	1.13	28.7
150E	2.50	63.5	0.88	22.4	1.13	28.7
150W	2.50	63.5	0.88	22.4	1.13	28.7

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