

Description

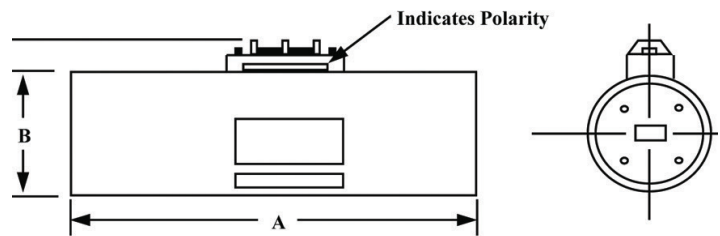
Mi-Wave's 150 Series is a suppressed rotation reciprocal ferrite phase shifter, built completely in rectangular waveguide to suppress Faraday rotational tendencies in the ferrite at the frequency of operation. This construction allows a low variation in loss as phase is changed. Rise time can be optimized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

- *Fast Rise-time*
- *180° Phase Shift*
- *Remote Controlled*

Applications

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

Dimensional Specifications						
Model No.	A		B		C	
	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



TECHNICAL SPECIFICATIONS (TYPICAL)						
Model No.	150A	150B	150U	150V	150E	150W
Frequency Band (GHz)	26.5-40	33-50	40-60	50-70	60-90	75-110
Insertion Loss (dB) max	2.5	2.7	2.8	3.0	3.0	3.0
VSWR (Typ)	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.

Ordering Information

