

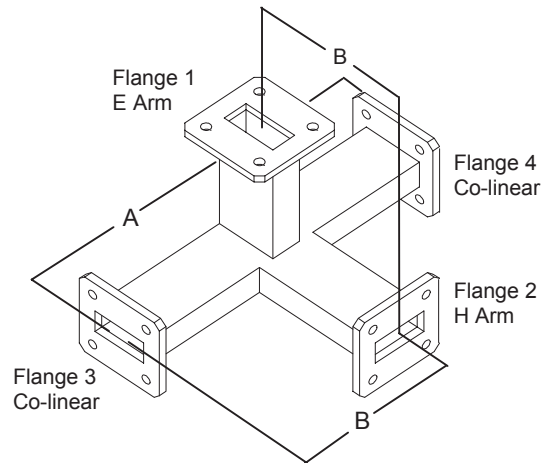
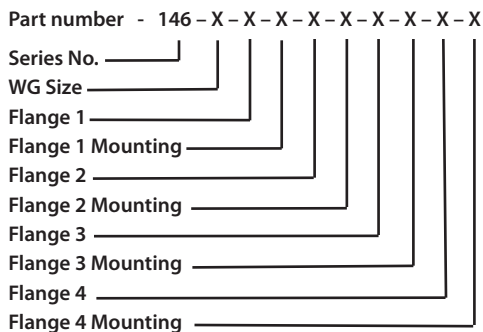
Magic Tee

Series No: 146

Part Description

Unique Broadband Systems offers a standard product line of isolated four-port hybrid power dividers covering waveguide sizes from WR-28 through WR-340. Power split is controlled within +/- 0.3 dB. Isolation is optimized to 30 dB min. E to H ports and 15 dB min. between collinear arms. Typical operation frequency range for the "magic tee" is approximately 20% of the full waveguide frequency range

Ordering Data



Flange Configuration

Flange Type	C - Cover G - Groove CHOKE CMR CPR(F, G)
Flange Mounting Holes	T1 - Through Holes T2 - Threaded A - Alternating

Electrical Specification

VSWR	1.3 nom. 1.5 max.
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STANDARD FINISH: is electroless corrosion protection for the metal surface, plus "Admiralty Gray" epoxy top coat. Non standard configurations and finishes (Silver, Nickel, Cadmium plating) are available upon request. Waveguide sizes up to WR-650 available. Contact our sales department with your requirements.

Specifications

Size	Frequency GHz	Dimension (inches)	
		A	B
WR28	26.50 - 40.00	2.50	1.25
WR34	22.00 - 33.00	2.50	1.25
WR42	18.00 - 26.00	2.50	1.25
WR51	15.00 - 22.00	2.50	1.25
WR62	12.40 - 18.00	2.50	1.25
WR75	10.00 - 15.00	2.50	1.25
WR90	8.20 - 12.40	2.50	1.25
WR112	7.05 - 10.00	3.50	1.25
WR137	5.85 - 8.20	4.50	2.25
WR159	4.09 - 7.05	5.00	2.50
WR187	3.95 - 5.85	5.00	2.50
WR229	3.30 - 4.90	6.00	3.00
WR284	2.60 - 3.95	6.00	3.00
WR340	2.20 - 3.30	-	-