



KEYEE MICROWAVE TECHNOLOGY CO., LTD.

Double Ridged Waveguide Magic Tee

Keyee Microwave manufactures Double Ridged Waveguide Magic Tee includes E Plane Tees, H Plane Tees, Hybrid Tees and Magic Tees covering sizes WRD84 thru WRD180. It is four-port coupler for matching, balance and isolation. E-plane to H-plane Isolation is a function of the symmetry which is carefully balanced on each unit. If the E-plane port 4 or the H-plane port 2 are used as inputs the split is on the output collinear ports 1 and 3. When the input is E plane port 4 the outputs are out of phase 180 deg. This feature is widely used in monopulse antenna feed structure and phasing testing setup.

For more information feel free to call us and discuss your needs with one of our design engineers.





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Technical parameter

P/N	WG Size	Waveguide type		Freq. (GHz)	VSWR	Isolation min	BalancedB +/- (max)
KYD84WHMT30CCGA	WRD84	24JS840	WRD84D24	0.84-2	1.4	30	0.15
KYD150WHMT30CCGA	WRD150	24JS1500	WRD150D24	1.5-3.6	1.4	30	0.15
KYD200WHMT30CCGA	WRD200	24JS2000	WRD200D24	2-4.8	1.4	30	0.15
KYD250WHMT30CCGA	WRD250	30JS2500	WRD250D30	2.6-7.8	1.4	30	0.15
KYD350WHMT30CCGA	WRD350	24JS3500	WRD350D24	3.5-8.2	1.4	30	0.15
KYD475WHMT30CCGA	WRD475	24JS4750	WRD475D24	4.75-11	1.4	30	0.15
KYD500WHMT30CCGA	WRD500	36JS5000	WRD500D36	5.0-18	1.4	30	0.15
KYD580WHMT30CCGA	WRD580	28JS5800	WRD580D28	5.8-16	1.4	30	0.15
KYD650WHMT30CCGA	WRD650	28JS6500	WRD650D28	6.5-18	1.4	30	0.15
KYD750WHMT30CCGA	WRD750	24JS7500	WRD750D24	7-18.5	1.4	30	0.15
KYD700WHMT30CCGA	WRD700	26JS7000	WRD700D26	7.5-18	1.4	30	0.15
KYD110WHMT30CCGA	WRD110	24JS1100	WRD110C24	11-26.5	1.4	30	0.15



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KYD180WHMT30CCGA	WRD180	24JS1800	WRD180C24	18-40	1.4	30	0.15
Ordering P/N information: Example:KYD84WHMT30CCGA							
Numbers in P/N				Indicate			
KY				Keyee Microwave			
D84				Waveguide size			
WHMT				Waveguide Hybrid Magic Tee			
30				Isolation			
C				Cover flange			
G				Groove Flange			
A				Material			