



KEYEE MICROWAVE TECHNOLOGY CO., LTD.

Waveguide Magic Tee

Keyee Microwave manufactures Waveguide Magic Tee includes E Plane Tees, H Plane Tees, Hybrid Tees and Magic Tees 0.3 to 110GHz. 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	Freq Range(GHz)	Isolation(dB)	Unbalance(dB)	WG Type		Flange type	Material
KY2300WHMT35CCGA	0.32-0.49	35	±0.15	WG00	R3/WR2300	FDP/FDM	Al
KY2100WHMT35CCGA	0.35-0.53	35	±0.15	WG0	R3/WR2100	FDP/FDM	Al
KY1800WHMT35CCGA	0.41-0.62	35	±0.15	WG1	R5/WR1800	FDP/FDM	Al
KY1500WHMT35CCGA	0.49-0.75	35	±0.15	WG2	R6/WR1500	FDP/FDM	Al
KY1150WHMT35CCGA	0.64-0.98	35	±0.15	WG3	R8/WR1150	FDP/FDM	Al
KY975WHMT35CCGA	0.77-1.14	35	±0.15	WG4	R9/WR975	FDP/FDM	Al
KY770WHMT35CCGA	0.96-1.46	35	±0.15	WG5	R12/WR770	FDP/FDM	Al
KY650WHMT35CCGA	1.14-1.72	35	±0.15	WG 6	R14/WR650	FDP/FDM	Al
KY510WHMT35CCGA	1.45-2.20	35	±0.15	WG 7	R18/WR510	FDP/FDM	Al
KY430WHMT35CCGA	1.72-2.60	35	±0.15	WG 8	R22/WR430	FDP/FDM	Al/Cu
KY340WHMT35CCGA	2.17-3.30	35	±0.15	WG 9A	R26/WR340	FDP/FDM	Al/Cu
KY284WHMT35CCGA	2.60-3.95	35	±0.15	WG 10	R32/WR284	FDP/FDM	Al/Cu



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KY229WHMT35CCGA	3.30-4.90	35	±0.15	WG 11A	R40/WR229	FDP/FDM	Al/Cu
KY187WHMT35CCGA	3.95-5.85	35	±0.15	WG 12	R48/WR187	FDP/FDM	Al/Cu
KY159WHMT35CCGA	4.90-7.05	35	±0.15	WG 13	R58/WR159	FDP/FDM	Al/Cu
KY137WHMT35CCGA	5.85-8.20	35	±0.15	WG 14	R70/WR137	FDP/FDM	Al/Cu
KY112WHMT35CCGA	2.60-3.95	35	±0.15	WG 15	R84/WR112	FBP/FBM/FBE	Al/Cu
KY90WHMT35CCGA	8.20-12.4	35	±0.15	WG 16	R100/WR90	FBP/FBM/FBE	Al/Cu
KY75WHMT35CCGA	10.0-15.0	35	±0.15	WG 17	R120/WR75	FBP/FBM/FBE	Al/Cu
KY62WHMT35CCGA	12.4-18.0	35	±0.25	WG 18	R140/WR62	FBP/FBM/FBE	Al/Cu
KY51WHMT35CCGA	15.0-22.0	35	±0.3	WG 19	R180/WR51	FBP/FBM/FBE	Al/Cu
KY42WHMT35CCGA	18.0-26.5	35	±0.3	WG 20	R220/WR42	FBP/FBM/FBE	Al/Cu
KY34WHMT35CCGA	22.0-33.0	35	±0.4	WG 21	R260/WR34	FBP/FBM/FBE	Al/Cu
KY28WHMT35CCGA	26.3-40.0	35	±0.4	WG 22	R320/WR28	FBP/FBM/FBE	Al/Cu
KY22WHMT35CCGA	32.9-60.1	20	±0.4	WG 23	R400/WR22	FUGP	Cu
KY19WHMT35CCGA	39.2-59.6	20	±0.4	WG24	R500/WR19	FUGP	Cu



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KY15WHMT35CCGA	49.8-75.8	20	±0.5	WG25	R/620WR15	FUGP	Cu
KY12WHMT35CCGA	60.5-91.9	20	±0.5	WG26	R740WR12	FUGP	Cu
KY10WHMT35CCGA	73.8-112	20	±0.5	WG27	R900/WR10	FUGP	Al
Ordering P/N information: Example:KY90WHMT35CCGA							
Numbers in P/N				Indicate			
KY				Keyee Microwave			
90				Waveguide size			
WHMT				Waveguide Hybrid Magic Tee			
35				Isolation			
C				Cover flange			
G				Groove Flange			
A				Material			