

**Features**

- **Models from 1.14 GHz to 330 GHz**
- **E Plane Models – Series 400**
- **H Plane Models – Series 410**

The Series 400 E plane and Series 410 H plane matched tees are constructed from precision machined sections accurately assembled to form the completed component.

H plane tees, when fed via the shunt arm, divide the signal equally between the through ports and in phase. When E plane tees are fed via the series arm the signal divides equally but 180° out of phase.

Matched tees are available in lower frequency bands, details on request.



Model: 18400

Specifications

Model		Frequency Range (GHz)	Waveguide			VSWR	Balance Between Co-linear E Ports
E-plane	H-plane		WG	R	WR		
20400	20410	17.6 - 26.7	20	220	42	1.15	0.15
22400	22410	26.4 - 40.1	22	320	28	1.15	0.15
23400	23410	33.0 - 50.1	23	400	22	1.17	0.2
24400	24410	39.3 - 60.0	24	500	19	1.17	0.2
25400	25410	49.9 - 75.8	25	620	15	1.17	0.2
26400	26410	60.0 - 92.0	26	740	12	1.17	0.2
27400	27410	73.8 - 112	27	900	10	1.2	0.25
28400	28410	92.3 - 140	28	1200	8	1.2	0.25
29400	29410	114 - 173	29	1400	6	1.2	0.25
30400	30410	145 - 220	30	1800	5	1.3 max (with 'through' waveguide ports correctly terminated)	0.3
31400	31410	172 - 261	31	2200	4		0.3
32400	32410	217 - 330	32	2600	3		0.3

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Dimensions

Model		Dimensions (mm)					
E Plane	H Plane	A	B	C	D	E	F
20400	20410	28	17	34	17	22	11
22400	22410	25	15	30	15	20	10
23400	23410	37.5	22.5	45	22.5	30	15
24400	24410	37.5	22.5	45	22.5	30	15
25400	25410	25	15	30	15	20	10.4
26400	26410	25	15	30	15	20	10.4
27400	27410	25	15	30	15	20	10.4
28400	28410	25	15	30	15	20	10.4
29400	29410	Dimensions available on request					
30400	30410						
31400	31410						
32400	32410						

Custom Design

Custom built instruments can be supplied; please contact the sales team for more information

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