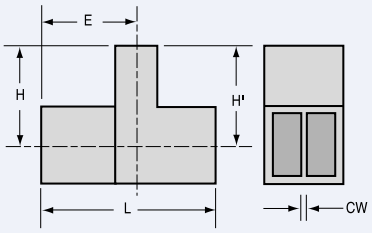
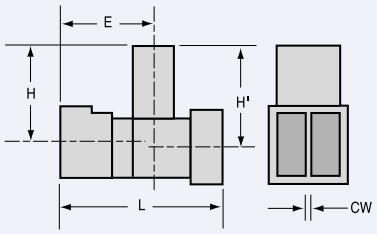
E PLANE FOLDED HYBRID TEES





E Plane Folded Hybrid Tees

W/G Size	Frequency GHz	Model Number	*VSWR Maximum H Arm	*VSWR Maximum E Arm	Isolation DB Min Between E & H Arms	Isolation DB Min Between Parallel Arms	Unbalanced DB Max.	Dimensions (inches) L	Dimensions (inches) E	Dimensions (inches) H	Common Wall Thickness (inches)	Terminations E & H Arms	Terminations Parallel Arms	Recommended Dual Flange[12]
WR28	28.0-29.0	28TE12	1.80	1.40	35	15	.25	0.90	0.49	0.68	.040	WG	CORRAL	28FT12[3]
	29.0-40.0	28TE12	1.50	1.35	35	18	.25							
	30.0-35.0	28TE32	1.25	1.25	35	20	.25	0.90	0.49	0.68	.040	WG	CORRAL	28FT12[3]
	34.0-38.0	28TE22	1.25	1.20	35	22	.25	0.90	0.49	0.60	.040	WG	CORRAL	28FT12[3]
WR42	19.5-27.0	42TE12	1.80	1.35	35	15	.20	1.14[4]	0.72	0.98	.040	WG	CORRAL	42FT12
	20.0-24.0	42TE22	1.20	1.15	35	22	.20							
WR51	15.2-17.2	51TE22	1.15	1.15	35	25	.10	1.04	0.66	1.04	.040	WG	CORRAL	51FT12
WR51 tapered to WR62	16.0-17.0	51TE12	1.15	1.15	35	25	.10	1.42	0.94	H=0.97 H'=1.03	.090	WR62 WG	WR51 CORRAL	51FT12
WR62	12.4-17.5	62TE72	2.20	1.30	35	15	.15	1.65	1.03	1.40	.090	WG	CORRAL	62FT12[3]
	14.0-15.0	62TE22	1.50	1.25	35	15	.15							
	15.0-18.0	62TE22	1.40	1.25	35	18	.15	1.65[4]	1.03	1.40	.090	WG	CORRAL	62FT12[3]
	15.0-17.0	62TE32	1.20	1.20	35	22	.15							
	16.0-17.0	62TE12	1.15	1.15	35	25	.10	1.87	0.94	0.97	.090	WG	CORRAL	62FT12[3]
WR75	10.5-14.9	75TE12	1.70	1.25	35	16	.15	1.92[4]	1.27	1.76	.090	WG	CORRAL	75FT12
	10.9-13.1	75TE22	1.15	1.20	35	20	.15							
WR90	7.5-8.3	90TE22	1.85	1.25	35	16	.10	1.94[5]	1.30	1.50	.120	WG	CORRAL	90FT12[3]
	8.3-10.7	90TE22	1.25	1.15	35	20	.10							
	10.7-10.95	90TE22	1.85	1.15	35	16	.10							
	8.2-12.4	90TE32	3.00	1.25	30	10	.10	2.23	1.30	1.50	.120	WG	CORRAL	90FT12[3]
	8.8-12.2	90TE32	2.00	1.25	35	15	.10							
	8.5-9.6	90TE12	1.12	1.10	40	28	.10	1.94[5]	1.30	1.50	.120	WG	CORRAL	90FT12[3]
	9.0-10.25	90TE92	1.15	1.15	40	24	.10	1.94[5]	1.30	1.50	.120	WG	CORRAL	90FT12[3]
WR102	7.0-11.0	102TE12	1.80	1.15	40	18	.10	2.64	1.46	1.36	.150	WG	CORRAL	102FT12
WR112	7.5-8.5	112TE22	1.20	1.15	35	25	.10	2.33	1.50	2.00	.150	WG	CORRAL	112FT12[3]
	8.5-9.6	112TE32	1.15	1.12	40	25	.10	2.75	1.63	2.00	.150	WG	CORRAL	112FT12[3]
WR137	5.4-5.9	137TE12	1.10	1.10	40	28	.10	2.62	1.56	2.36	.150	WG	CORRAL	137FT12[3]
	5.4-6.8	137TE22	1.20	1.15	35	22	.10							
WR187	3.96-4.33	187TE22	1.10	1.10	40	28	.10	3.25	1.80	3.02	.150	WG	CORRAL	187FT12[3]
	5.4-5.9	187TE12	1.10	1.10	40	28	.10	4.00	2.23	2.56	.128	WG	CORRAL	187FT22[3]
WR229	3.7-4.2	229TE12[13]	1.15	1.10	40	25	.10	5.77	3.06	4.28	.150	WG	CORRAL	229FT12
WR284	2.6-3.0	284TE12	1.15	1.20	40	28	.10	4.64	2.97	4.67	.160	WG	CORRAL	284FT22
	2.9-3.5	284TE32	1.15	1.15	40	28	.10	4.64	2.97	4.67	.160	WG	CORRAL	284FT22

Notes: **All tees exhibit reasonable electrical characteristics over a broader frequency range than specified. Maximum VSWR's specified does not indicate typical performance but only the highest VSWR over the operating range of the tee.*

3 *This flange is integral cast to the tee.*

4 *Add 0.03 to Dimension "L" when using recommended dual flange.*

5 *Add 0.06 to Dimension "L" when using recommended dual flange.*

8 *E=E' and H=H' unless otherwise shown.*

9 *Available only in non-brazable aluminum with flanges.*

12

28FT12 – Four 0.116 dia. holes
42FT12 – Four 0.116 dia. holes
51FT12 – Four 0.144 dia. holes
62FT12 – Four 0.144 dia. holes
75FT12 – Four 0.144 dia. holes
90FT12 – Four 0.169 dia. holes
102FT12 – Four 0.169 dia. holes
112FT12 – Four 8.32 thread holes
137FT12 – Four 0.219 dia. holes
187FT22 – Four 0.219 dia. holes
229FT12 – Eight 0.257 dia. holes
284FT22 – Eight 0.257 dia. holes

13 *Fabricated unit sold only as a complete assembly.*