

# Directional Coupler

# TCD-12-222X+

## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
1	0.95	13.17	21.64	17.34	19.50	19.63
3	0.73	12.97	21.55	21.29	26.47	23.52
5	0.68	12.93	21.57	22.32	29.51	24.61
10	0.66	12.91	21.57	22.85	32.47	25.31
20	0.67	12.91	21.61	23.31	33.33	25.52
30	0.67	12.92	21.59	23.46	33.10	25.52
40	0.67	12.92	21.49	23.49	32.60	25.52
50	0.67	12.93	21.29	23.52	32.47	25.50
150	0.69	12.95	21.07	23.03	28.80	24.43
250	0.71	12.95	20.09	21.98	25.16	22.89
350	0.75	12.94	19.46	20.83	23.07	21.44
450	0.79	12.91	18.41	19.74	21.23	20.14
550	0.85	12.87	17.64	18.74	20.01	19.12
650	0.90	12.82	16.67	17.97	19.04	18.29
750	0.97	12.76	15.89	17.36	18.25	17.65
850	1.03	12.68	15.03	16.91	17.77	17.18
950	1.11	12.59	14.35	16.58	17.20	16.83
1050	1.19	12.48	13.69	16.37	16.91	16.64
1150	1.29	12.36	13.14	16.28	16.46	16.58
1250	1.39	12.23	12.69	16.32	16.26	16.64
1350	1.51	12.09	12.29	16.52	15.97	16.81
1450	1.64	11.96	12.04	16.92	15.83	17.09
1550	1.79	11.82	11.81	17.50	15.62	17.50
1650	1.96	11.72	11.78	18.33	15.47	17.99
1750	2.16	11.64	11.76	19.44	15.29	18.57
1850	2.38	11.62	11.91	21.03	15.14	19.20
1950	2.61	11.66	12.08	23.10	14.97	19.94
2050	2.86	11.80	12.35	25.57	14.85	20.60
2150	3.12	12.02	12.57	27.78	14.71	21.29
2250	3.36	12.35	12.80	28.39	14.69	21.95
2350	3.57	12.78	12.80	27.01	14.73	22.77
2450	3.77	13.31	12.54	24.82	14.91	23.76
2550	3.94	13.93	11.84	23.18	15.14	25.13
2650	4.09	14.63	10.81	22.06	15.47	27.08