

Directional Coupler

HPCJ-30-43+

Typical Performance Data

FREQUENCY (GHz)	MAINLINE LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	INPUT RETURN LOSS (dB)	OUTPUT RETURN LOSS (dB)	COUPLED RETURN LOSS (dB)	TERMINATED RETURN LOSS (dB)
2.00	0.063	31.459	23.200	31.160	31.264	30.219	30.134
2.05	0.065	31.318	22.954	30.972	31.121	30.121	29.921
2.10	0.067	31.198	22.885	30.711	30.847	29.701	29.377
2.15	0.068	31.083	23.009	30.446	30.774	29.217	28.592
2.20	0.068	30.974	23.024	30.289	30.650	28.456	28.122
2.25	0.069	30.872	23.129	30.280	30.613	27.871	27.576
2.30	0.070	30.776	23.327	30.063	30.353	27.337	27.024
2.35	0.072	30.698	23.649	29.922	30.268	26.916	26.661
2.40	0.072	30.623	24.124	30.170	30.288	26.426	26.367
2.45	0.074	30.548	24.622	30.233	30.193	26.589	26.500
2.50	0.076	30.480	25.119	29.875	29.974	26.694	26.565
2.55	0.076	30.419	25.774	29.585	29.673	26.938	26.832
2.60	0.078	30.376	25.869	29.727	29.690	27.630	27.701
2.65	0.076	30.343	25.536	29.802	29.502	28.759	29.034
2.70	0.079	30.312	25.145	29.060	29.294	30.362	30.429
2.75	0.080	30.278	24.495	28.787	29.039	32.550	32.004
2.80	0.079	30.253	23.844	28.866	28.992	34.110	34.110
2.85	0.082	30.225	23.097	28.531	28.801	36.661	35.454
2.90	0.083	30.202	22.609	28.180	28.518	36.746	35.187
2.95	0.083	30.181	22.068	28.125	28.385	34.664	34.427
3.00	0.085	30.169	21.585	27.942	28.272	32.359	32.074
3.05	0.085	30.164	21.246	27.932	28.228	30.443	30.091
3.10	0.085	30.171	21.033	27.949	28.083	28.543	28.869
3.15	0.085	30.178	20.875	27.874	28.093	27.202	27.639
3.20	0.087	30.184	21.074	28.052	28.036	26.319	26.640
3.25	0.087	30.206	21.302	28.385	28.251	25.705	26.263
3.30	0.087	30.229	21.501	28.393	28.219	25.543	26.075
3.35	0.088	30.267	21.817	28.548	28.247	25.413	26.091
3.40	0.088	30.302	22.311	28.731	28.270	25.588	26.359
3.45	0.089	30.333	23.143	29.291	28.789	26.043	26.922
3.50	0.090	30.369	23.759	29.616	29.022	26.779	27.757
3.55	0.090	30.413	24.632	29.875	29.295	27.583	28.257
3.60	0.092	30.473	25.291	30.050	29.707	28.212	29.429
3.65	0.092	30.543	26.376	31.090	30.601	29.298	30.284
3.70	0.093	30.646	25.667	31.648	31.341	30.191	31.887
3.75	0.093	30.741	24.998	31.520	31.907	31.089	32.634
3.80	0.094	30.827	24.913	32.706	32.823	32.653	33.265
3.85	0.094	30.908	24.291	33.415	34.036	33.254	33.946
3.90	0.096	31.034	22.780	33.024	34.881	34.882	35.447
3.95	0.096	31.148	22.435	34.192	35.110	35.418	35.977
4.00	0.095	31.262	21.948	34.349	36.332	36.876	36.365
4.05	0.096	31.385	21.378	35.151	37.397	36.880	37.935
4.10	0.096	31.500	20.839	34.980	38.334	38.433	38.507
4.15	0.098	31.635	20.374	35.658	38.880	37.598	36.435
4.20	0.097	31.795	20.034	36.666	40.116	36.991	36.329
4.25	0.098	31.966	19.540	36.180	40.819	35.644	34.924
4.30	0.100	32.131	19.179	37.367	41.590	33.848	33.469
4.35	0.101	32.323	18.589	37.366	41.899	32.088	31.887
4.40	0.100	32.522	18.309	38.214	43.026	30.964	30.934
4.45	0.100	32.746	18.081	39.684	44.055	29.553	29.978
4.50	0.101	32.950	17.896	39.553	45.040	29.536	29.273
4.55	0.102	33.169	17.882	41.805	45.897	28.623	28.786
4.60	0.103	33.412	17.456	40.729	46.982	28.790	28.740
4.65	0.104	33.678	17.105	43.941	50.404	28.599	28.848
4.70	0.104	33.945	16.531	46.627	53.195	29.171	29.916
4.75	0.105	34.197	16.226	46.040	55.550	30.085	30.083
4.80	0.107	34.472	15.473	46.997	51.865	30.947	31.851
4.85	0.107	34.798	14.829	45.980	48.484	32.537	30.985
4.90	0.108	35.137	14.185	48.073	46.388	33.512	31.609
4.95	0.108	35.459	13.568	43.492	44.724	33.356	31.601
5.00	0.110	35.826	13.042	41.039	42.017	30.633	30.536