

Directional Coupler

HPCJ-20-43+

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	0.081	22.873	36.816	55.450	51.295	47.344	47.678
2.05	0.082	22.707	35.498	50.924	49.008	43.877	48.389
2.10	0.085	22.551	34.692	51.435	48.998	43.200	44.065
2.15	0.086	22.402	34.966	50.995	49.346	43.202	39.463
2.20	0.088	22.255	35.283	49.059	48.789	38.840	38.373
2.25	0.090	22.115	35.065	48.077	46.301	36.206	37.069
2.30	0.091	21.980	35.129	45.868	44.934	35.575	35.227
2.35	0.093	21.857	36.026	44.988	44.440	35.375	33.753
2.40	0.094	21.737	37.971	45.174	44.043	33.473	33.204
2.45	0.097	21.617	39.039	43.998	42.149	32.873	33.371
2.50	0.099	21.507	39.480	41.502	40.844	33.096	32.754
2.55	0.100	21.402	43.529	40.534	40.159	33.778	32.510
2.60	0.103	21.305	47.570	40.301	40.079	33.889	34.156
2.65	0.102	21.214	41.866	39.601	39.010	34.754	36.243
2.70	0.105	21.125	41.554	37.889	38.282	37.927	37.794
2.75	0.107	21.036	39.119	37.074	37.733	43.251	40.290
2.80	0.106	20.952	36.174	37.324	37.567	41.328	43.632
2.85	0.108	20.868	34.285	36.447	36.913	41.802	39.438
2.90	0.110	20.794	33.580	35.612	36.214	37.383	36.502
2.95	0.111	20.720	32.267	35.249	35.659	33.570	34.708
3.00	0.113	20.650	30.922	34.701	35.312	31.516	31.788
3.05	0.114	20.585	30.043	34.496	34.967	30.425	29.791
3.10	0.115	20.529	29.754	34.213	34.407	28.509	28.832
3.15	0.115	20.473	29.069	33.724	33.925	26.927	27.785
3.20	0.117	20.417	28.458	33.615	33.611	26.212	26.607
3.25	0.117	20.368	28.137	33.907	33.623	25.903	26.143
3.30	0.118	20.319	27.937	33.461	33.208	25.558	26.034
3.35	0.120	20.276	27.853	33.407	32.741	25.095	26.063
3.40	0.121	20.236	27.359	33.083	32.312	25.339	26.049
3.45	0.122	20.201	27.479	33.584	32.549	25.873	26.358
3.50	0.125	20.167	27.836	33.807	32.471	26.166	27.077
3.55	0.125	20.134	27.678	33.657	32.321	26.409	27.388
3.60	0.127	20.107	27.577	33.621	32.175	27.103	27.989
3.65	0.127	20.084	27.757	34.179	32.596	28.163	28.480
3.70	0.129	20.069	28.779	34.956	32.838	28.452	29.841
3.75	0.130	20.057	28.744	34.430	33.018	28.771	30.091
3.80	0.131	20.043	28.402	34.744	33.076	30.318	30.201
3.85	0.131	20.031	28.666	35.056	33.647	30.397	30.663
3.90	0.132	20.030	29.806	35.600	34.041	30.431	30.737
3.95	0.133	20.032	29.088	35.272	34.191	29.947	30.614
4.00	0.133	20.032	28.874	35.087	33.924	30.784	30.189
4.05	0.134	20.040	29.296	35.646	34.334	30.115	30.550
4.10	0.134	20.045	29.536	36.092	34.512	29.588	30.274
4.15	0.136	20.053	28.838	36.047	34.623	29.275	29.109
4.20	0.136	20.065	28.514	36.177	34.291	29.337	29.034
4.25	0.136	20.086	28.411	35.887	34.191	28.457	28.486
4.30	0.138	20.112	27.988	36.268	34.286	27.517	27.890
4.35	0.138	20.139	27.322	36.629	34.320	27.176	27.089
4.40	0.139	20.172	26.780	36.054	34.188	26.952	27.116
4.45	0.139	20.213	26.483	35.989	33.858	26.076	26.799
4.50	0.139	20.241	26.047	36.430	34.085	26.211	26.366
4.55	0.139	20.274	25.323	36.006	34.115	26.170	26.381
4.60	0.139	20.308	25.383	36.305	34.029	26.689	26.744
4.65	0.139	20.348	25.162	35.518	33.536	26.433	27.081
4.70	0.139	20.390	24.993	35.639	33.568	27.016	27.860
4.75	0.139	20.437	24.683	34.693	33.521	28.141	28.381
4.80	0.140	20.491	25.549	36.425	33.633	28.672	29.755
4.85	0.140	20.549	25.678	35.533	33.208	29.411	28.899
4.90	0.141	20.609	25.682	34.758	33.314	30.347	29.374
4.95	0.142	20.671	26.477	35.410	33.225	30.637	29.274
5.00	0.142	20.736	27.394	35.995	33.602	28.628	28.736