

2 Way-0° Power Splitter/Combiner Die EP2RKU-D+

Typical Performance Data

TEST CONDITIONS: Input Power = -10dBm @Temperature = +25°C

FREQ. (MHz)	TOTAL LOSS ⁽¹⁾		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR		
	(dB) S-1	(dB) S-2				(:1) S	(:1) 1	(:1) 2
100	5.85	5.88	0.04	0.01	9.68	1.54	1.04	1.04
200	5.84	5.88	0.04	0.00	9.72	1.53	1.06	1.06
400	5.85	5.89	0.04	0.03	9.85	1.53	1.10	1.10
600	5.86	5.90	0.04	0.02	10.04	1.53	1.14	1.14
800	5.87	5.91	0.04	0.02	10.28	1.52	1.18	1.18
1000	5.87	5.91	0.04	0.04	10.55	1.52	1.22	1.22
1200	5.88	5.92	0.03	0.03	10.87	1.52	1.25	1.25
1400	5.88	5.92	0.04	0.05	11.22	1.51	1.29	1.28
1600	5.89	5.93	0.03	0.05	11.58	1.51	1.31	1.31
1800	5.90	5.94	0.04	0.06	11.96	1.51	1.34	1.34
2000	5.90	5.94	0.04	0.07	12.35	1.50	1.36	1.36
2200	5.91	5.94	0.03	0.07	12.75	1.50	1.38	1.38
2400	5.91	5.95	0.03	0.07	13.16	1.49	1.40	1.40
2600	5.91	5.95	0.04	0.08	13.57	1.49	1.42	1.41
2800	5.91	5.95	0.04	0.09	14.00	1.48	1.43	1.43
3000	5.92	5.96	0.03	0.10	14.42	1.48	1.44	1.44
3200	5.93	5.96	0.04	0.09	14.86	1.47	1.45	1.45
3400	5.93	5.96	0.04	0.12	15.30	1.47	1.46	1.45
3600	5.93	5.97	0.04	0.13	15.75	1.46	1.46	1.46
3800	5.93	5.96	0.03	0.13	16.20	1.46	1.47	1.46
4000	5.94	5.97	0.03	0.11	16.67	1.45	1.47	1.47
4200	5.94	5.97	0.03	0.07	17.16	1.44	1.47	1.47
4400	5.94	5.97	0.03	0.05	17.65	1.43	1.47	1.47
4600	5.94	5.98	0.04	0.08	18.16	1.42	1.48	1.47
4800	5.94	5.98	0.04	0.10	18.69	1.42	1.48	1.47
5000	5.94	5.98	0.04	0.10	19.24	1.41	1.48	1.47
5500	5.94	5.99	0.05	0.09	20.71	1.38	1.48	1.47
6000	5.95	5.99	0.05	0.14	22.45	1.35	1.47	1.46
6500	5.93	5.96	0.03	0.19	24.49	1.33	1.47	1.46
7000	5.92	5.95	0.04	0.16	26.95	1.31	1.46	1.46
7500	5.91	5.95	0.04	0.13	29.93	1.29	1.45	1.45
8000	5.90	5.95	0.05	0.12	33.00	1.28	1.44	1.44
8500	5.90	5.95	0.05	0.12	33.76	1.28	1.43	1.43
9000	5.90	5.95	0.05	0.15	31.28	1.29	1.42	1.41
9500	5.90	5.95	0.05	0.19	28.45	1.31	1.40	1.40
10000	5.89	5.95	0.05	0.19	26.12	1.34	1.37	1.38
10500	5.90	5.96	0.05	0.13	24.28	1.37	1.35	1.35
11000	5.91	5.97	0.06	0.11	22.82	1.39	1.32	1.32
11500	5.92	5.98	0.06	0.11	21.62	1.41	1.28	1.28
12000	5.93	5.99	0.07	0.14	20.72	1.42	1.24	1.24
12500	5.92	5.99	0.07	0.20	20.04	1.41	1.19	1.19
13000	5.89	5.97	0.08	0.26	19.48	1.39	1.14	1.15
13500	5.85	5.93	0.08	0.26	19.09	1.36	1.10	1.10
14000	5.80	5.87	0.07	0.27	18.88	1.31	1.08	1.08
14500	5.74	5.80	0.06	0.32	18.84	1.25	1.10	1.10
15000	5.67	5.74	0.06	0.32	19.03	1.19	1.14	1.14
15500	5.62	5.68	0.06	0.34	19.51	1.15	1.19	1.20
16000	5.58	5.64	0.06	0.33	20.23	1.15	1.25	1.25
16500	5.58	5.62	0.05	0.27	21.17	1.20	1.30	1.30
17000	5.60	5.64	0.04	0.17	22.23	1.29	1.33	1.34
17500	5.64	5.69	0.05	0.08	23.28	1.39	1.37	1.37
18000	5.70	5.77	0.07	0.05	23.98	1.48	1.39	1.39

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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