

# 2 Way-90° Power Splitter/Combiner Die EPQ-133-D+

## Typical Performance Data

TEST CONDITIONS: INPUT POWER = -10 dBm @Temperature = +25°C

FREQ. (GHz)	TOTAL LOSS <sup>(1)</sup> (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
3.0	1.25	7.30	6.05	90.51	25.98	1.09	1.08	1.02
3.5	1.54	6.37	4.83	90.61	24.21	1.10	1.06	1.04
4.0	1.84	5.65	3.80	90.69	22.53	1.13	1.02	1.09
4.5	2.14	5.08	2.93	90.73	21.57	1.16	1.05	1.13
5.0	2.43	4.64	2.21	90.72	20.92	1.20	1.09	1.16
5.5	2.71	4.29	1.59	90.80	20.18	1.24	1.10	1.19
6.0	2.96	4.01	1.05	90.86	19.89	1.26	1.16	1.20
6.5	3.18	3.81	0.63	90.91	19.90	1.27	1.18	1.21
7.0	3.38	3.63	0.25	90.99	19.62	1.27	1.17	1.23
7.5	3.53	3.50	0.04	91.08	19.75	1.24	1.19	1.24
8.0	3.64	3.38	0.26	91.35	20.31	1.17	1.17	1.22
8.5	3.73	3.29	0.44	91.67	20.32	1.13	1.16	1.20
9.0	3.81	3.23	0.58	91.98	20.02	1.13	1.16	1.16
9.5	3.86	3.17	0.70	92.43	19.91	1.12	1.12	1.10
10.0	3.92	3.15	0.77	92.54	19.17	1.18	1.12	1.02
10.5	4.00	3.17	0.83	92.57	17.85	1.31	1.11	1.09
11.0	4.10	3.33	0.78	92.80	16.48	1.46	1.19	1.19
11.5	4.17	3.49	0.68	92.61	15.80	1.58	1.29	1.23
12.0	4.24	3.72	0.52	92.45	15.04	1.72	1.40	1.24
12.5	4.26	4.00	0.26	92.30	14.45	1.86	1.58	1.18
13.0	4.08	4.15	0.06	92.48	14.41	1.81	1.56	1.08
13.5	3.75	4.19	0.44	92.68	15.86	1.52	1.53	1.17
14.0	3.54	4.45	0.91	93.75	16.08	1.49	1.46	1.31
14.5	3.32	4.66	1.34	94.49	17.23	1.35	1.39	1.47
15.0	3.12	5.01	1.88	95.38	17.68	1.30	1.29	1.55
15.5	2.95	5.38	2.43	96.32	18.54	1.22	1.26	1.57
16.0	2.76	5.80	3.04	96.73	18.98	1.17	1.19	1.50

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss

Note: Data tested in industry standard, 4x4mm, 24-lead MCLP package



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IF/RF MICROWAVE COMPONENTS

REV. OR  
EPQ-133-D+  
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Page 1 of 1