

2 Way-90° Power Splitter Die

EPQ-113-D+

Typical Performance Data

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

FREQ. (MHz)	TOTAL LOSS ⁽¹⁾ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR (:1)		
	S-1	S-2				S	1	2
5000	3.10	3.85	0.75	88.72	19.87	1.22	1.11	1.27
5200	3.20	3.73	0.54	88.64	19.71	1.22	1.13	1.26
5400	3.30	3.66	0.36	88.69	19.64	1.23	1.13	1.26
5600	3.40	3.58	0.18	88.57	19.23	1.26	1.15	1.29
5800	3.47	3.51	0.04	88.69	19.30	1.24	1.15	1.26
6000	3.56	3.47	0.10	88.72	19.10	1.25	1.17	1.23
6200	3.66	3.42	0.24	88.78	19.11	1.25	1.16	1.22
6400	3.74	3.39	0.35	88.91	19.22	1.24	1.15	1.18
6600	3.78	3.34	0.45	88.81	19.31	1.23	1.16	1.21
6800	3.81	3.28	0.53	89.15	19.38	1.20	1.13	1.16
7000	3.86	3.25	0.62	89.13	19.23	1.22	1.15	1.15
7200	3.89	3.21	0.69	89.29	19.23	1.19	1.12	1.13
7400	3.93	3.19	0.74	89.35	19.33	1.18	1.11	1.11
7600	3.97	3.17	0.80	89.44	19.15	1.19	1.11	1.08
7800	3.99	3.15	0.84	89.50	19.24	1.16	1.06	1.09
8000	4.02	3.16	0.86	89.64	19.08	1.19	1.11	1.02
8200	4.07	3.17	0.90	89.60	19.01	1.20	1.06	1.11
8400	4.05	3.18	0.87	89.63	18.84	1.18	1.07	1.07
8600	4.06	3.19	0.87	89.69	18.74	1.18	1.06	1.07
8800	4.04	3.19	0.85	89.74	18.96	1.13	1.02	1.03
9000	4.06	3.24	0.82	89.80	18.52	1.20	1.06	1.07
9200	4.03	3.25	0.78	89.78	18.65	1.15	1.01	1.05
9400	4.03	3.29	0.74	89.90	18.49	1.18	1.01	1.09
9600	3.99	3.34	0.66	89.76	18.39	1.18	1.04	1.09
9800	3.96	3.39	0.57	89.66	18.31	1.17	1.03	1.13
10000	3.90	3.44	0.46	89.89	18.19	1.18	1.05	1.05
10200	3.88	3.50	0.38	89.80	18.23	1.19	1.06	1.13
10400	3.83	3.59	0.23	89.55	18.03	1.21	1.06	1.15
10600	3.75	3.70	0.04	89.63	17.86	1.21	1.10	1.13
10800	3.70	3.78	0.07	89.86	17.80	1.22	1.10	1.11
11000	3.65	3.92	0.27	89.55	17.71	1.23	1.14	1.15

⁽¹⁾Total Loss = Insertion Loss + 3dB Splitter Loss

Note: Data tested on characterization test board TB-961-113+ in 4x4 mm MCLP package.



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IF/RF MICROWAVE COMPONENTS

REV. OR

EPQ-113-D+

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