

2 Way-90° Power Splitter/Combiner

ZX10Q-2-3+

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)			AMP. UNBAL. (dB)	ISOLATION (dB)	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-2	AVG.					S	1	2
150.0	5.49	2.03	3.76	3.46	22.90	89.60	150.0	1.09	1.12	1.08
160.0	5.17	2.19	3.68	2.99	22.84	89.68	160.0	1.09	1.12	1.08
170.0	4.90	2.33	3.62	2.57	22.82	89.78	170.0	1.09	1.12	1.08
180.0	4.65	2.48	3.57	2.17	22.84	89.89	180.0	1.08	1.12	1.08
190.0	4.43	2.63	3.53	1.81	22.90	90.01	190.0	1.08	1.12	1.08
200.0	4.24	2.75	3.50	1.48	22.98	90.14	200.0	1.08	1.12	1.07
210.0	4.06	2.88	3.47	1.18	23.08	90.27	210.0	1.07	1.12	1.07
220.0	3.91	3.00	3.46	0.91	23.23	90.40	220.0	1.07	1.12	1.07
230.0	3.77	3.11	3.44	0.67	23.41	90.55	230.0	1.06	1.12	1.06
240.0	3.65	3.21	3.43	0.44	23.61	90.71	240.0	1.06	1.11	1.06
250.0	3.55	3.31	3.43	0.23	23.85	90.86	250.0	1.05	1.11	1.06
260.0	3.45	3.41	3.43	0.05	24.11	91.02	260.0	1.05	1.11	1.05
270.0	3.37	3.49	3.43	0.12	24.37	91.18	270.0	1.04	1.10	1.05
280.0	3.30	3.57	3.44	0.26	24.66	91.36	280.0	1.04	1.10	1.05
290.0	3.24	3.64	3.44	0.39	24.96	91.53	290.0	1.04	1.10	1.04
300.0	3.20	3.70	3.45	0.50	25.29	91.70	300.0	1.03	1.09	1.04
310.0	3.16	3.76	3.46	0.60	25.67	91.88	310.0	1.03	1.09	1.03
320.0	3.13	3.80	3.47	0.67	26.07	92.07	320.0	1.03	1.09	1.03
330.0	3.12	3.83	3.48	0.72	26.46	92.26	330.0	1.03	1.08	1.03
340.0	3.11	3.86	3.49	0.75	26.89	92.47	340.0	1.04	1.08	1.02
350.0	3.11	3.88	3.50	0.77	27.38	92.67	350.0	1.04	1.08	1.02
360.0	3.12	3.88	3.50	0.76	27.90	92.89	360.0	1.05	1.08	1.02
370.0	3.14	3.88	3.51	0.74	28.47	93.12	370.0	1.05	1.07	1.02
380.0	3.18	3.87	3.53	0.70	29.08	93.37	380.0	1.06	1.07	1.02
390.0	3.22	3.85	3.54	0.63	29.82	93.63	390.0	1.07	1.07	1.02
400.0	3.28	3.82	3.55	0.54	30.61	93.89	400.0	1.08	1.07	1.01
410.0	3.35	3.78	3.57	0.42	31.55	94.16	410.0	1.09	1.07	1.01
420.0	3.44	3.72	3.58	0.28	32.68	94.46	420.0	1.10	1.07	1.01
430.0	3.55	3.66	3.61	0.11	33.99	94.80	430.0	1.11	1.07	1.01
440.0	3.67	3.58	3.63	0.09	35.49	95.17	440.0	1.13	1.07	1.02
450.0	3.82	3.50	3.66	0.32	37.16	95.56	450.0	1.14	1.07	1.02
460.0	3.99	3.40	3.70	0.59	38.56	95.99	460.0	1.15	1.07	1.02
470.0	4.19	3.29	3.74	0.90	38.74	96.48	470.0	1.17	1.08	1.02
480.0	4.43	3.18	3.81	1.25	37.01	97.04	480.0	1.19	1.08	1.03
490.0	4.71	3.06	3.89	1.65	34.39	97.69	490.0	1.21	1.09	1.03
500.0	5.04	2.92	3.98	2.12	31.79	98.44	500.0	1.23	1.10	1.04
510.0	5.43	2.79	4.11	2.65	29.38	99.33	510.0	1.26	1.12	1.05
520.0	5.90	2.65	4.28	3.25	27.20	100.45	520.0	1.29	1.13	1.07
530.0	6.47	2.51	4.49	3.95	25.22	101.84	530.0	1.32	1.15	1.08
540.0	7.15	2.38	4.77	4.77	23.40	103.64	540.0	1.35	1.17	1.10
550.0	7.97	2.26	5.12	5.71	21.71	106.03	550.0	1.39	1.20	1.13

¹ Total Loss = Insertion Loss + 3dB Splitter Loss

