

Bi-Directional Coupler

ZGBDC6-521-N+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS ⁽¹⁾	COUPLING		DIRECTIVITY		RETURN LOSS			
	(dB)	(dB)		(dB)		(dB)			
	IN-OUT	IN-FWD	OUT-REV	IN-REV	OUT-FWD	IN	OUT	FWD	REV
130	0.04	6.25	6.21	26.75	29.75	25.95	28.99	28.55	29.79
140	0.05	6.00	5.97	26.83	29.81	26.03	28.87	28.65	29.56
150	0.05	5.81	5.79	27.01	29.92	26.28	28.74	28.85	29.27
160	0.06	5.66	5.65	27.20	30.02	26.57	28.60	29.12	29.07
170	0.07	5.56	5.55	27.34	30.10	26.85	28.41	29.49	28.98
180	0.07	5.50	5.50	27.45	30.31	27.15	28.25	29.93	28.91
190	0.08	5.47	5.47	27.41	30.42	27.42	28.11	30.42	28.82
200	0.09	5.47	5.49	27.54	30.51	27.88	28.07	30.92	28.77
210	0.09	5.50	5.53	27.62	30.62	28.41	28.07	31.39	28.75
220	0.10	5.55	5.59	27.80	30.69	29.05	28.16	31.88	28.77
230	0.11	5.63	5.68	27.99	30.75	29.78	28.35	32.40	28.83
240	0.12	5.73	5.79	28.32	30.76	30.75	28.64	32.84	29.04
250	0.12	5.84	5.92	28.51	30.77	31.75	29.00	33.19	29.36
260	0.13	5.97	6.05	28.89	30.84	33.04	29.39	33.61	29.83
270	0.13	6.09	6.19	29.31	30.86	34.39	29.79	34.03	30.39
280	0.14	6.21	6.33	29.91	30.87	36.10	30.31	34.25	31.00
290	0.14	6.32	6.45	30.57	30.91	37.95	30.83	34.33	31.53
300	0.15	6.41	6.56	31.42	30.89	39.89	31.38	34.32	31.89
310	0.15	6.48	6.63	32.46	30.79	41.08	32.05	34.28	32.15
320	0.16	6.51	6.68	33.99	30.63	40.61	32.72	34.07	32.19
330	0.16	6.52	6.69	35.71	30.47	38.74	33.30	33.95	32.21
340	0.17	6.49	6.67	37.86	30.20	36.94	33.71	33.87	32.20
350	0.17	6.44	6.61	40.26	30.04	35.18	34.11	33.78	32.19
360	0.17	6.36	6.53	41.13	29.83	33.84	34.09	33.76	32.16
370	0.18	6.26	6.43	40.16	29.58	32.75	33.88	33.73	32.04
380	0.18	6.16	6.31	38.12	29.42	31.87	33.47	33.74	31.81
390	0.18	6.05	6.20	36.28	29.21	31.19	33.12	33.70	31.47
400	0.19	5.95	6.09	34.80	28.91	30.66	32.58	33.60	31.01
410	0.19	5.86	5.99	33.60	28.64	30.24	32.07	33.57	30.44
420	0.20	5.79	5.91	32.51	28.44	29.97	31.44	33.47	29.92
430	0.20	5.74	5.86	31.64	28.25	29.78	30.91	33.45	29.38
440	0.21	5.71	5.82	30.77	28.06	29.70	30.38	33.39	28.96
450	0.21	5.71	5.82	30.08	27.96	29.67	29.97	33.42	28.55
460	0.21	5.74	5.84	29.47	27.83	29.70	29.61	33.39	28.22
470	0.22	5.81	5.91	28.86	27.69	29.73	29.34	33.46	27.97
480	0.22	5.92	6.02	28.28	27.52	29.75	29.20	33.57	27.74
490	0.22	6.07	6.17	27.76	27.31	29.91	29.07	33.48	27.60
500	0.23	6.27	6.37	27.26	27.08	29.98	29.03	33.55	27.52
510	0.23	6.53	6.63	26.69	26.78	30.08	29.05	33.53	27.54
520	0.23	6.86	6.95	26.12	26.36	30.19	29.15	33.53	27.70

⁽¹⁾ Does not include coupling loss