

# Bi-Directional Coupler

# SYBDC-26-52VHP+

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS		COUPLING		DIRECTIVITY		RETURN LOSS			
	(dB)		(dB)		(dB)		(dB)			
	IN-OUT	FWD-REV	IN-FWD	OUT-REV	IN-REV	OUT-FWD	IN	OUT	FWD	REV
20	0.48	0.48	26.29	26.88	18.03	18.06	10.85	10.82	10.90	10.85
25	0.34	0.34	26.26	26.63	19.63	20.04	12.63	12.62	12.68	12.62
30	0.25	0.26	26.24	26.48	21.05	21.73	14.18	14.16	14.21	14.16
40	0.17	0.18	26.23	26.33	23.32	24.43	16.66	16.65	16.66	16.62
50	0.14	0.15	26.22	26.25	25.15	26.69	18.67	18.64	18.62	18.58
60	0.12	0.13	26.21	26.20	26.68	28.66	20.37	20.34	20.27	20.25
70	0.11	0.12	26.20	26.17	28.05	30.40	21.88	21.90	21.72	21.69
80	0.10	0.11	26.20	26.14	29.25	32.23	23.28	23.28	23.04	22.98
90	0.10	0.10	26.19	26.12	30.21	34.02	24.57	24.58	24.27	24.12
100	0.09	0.10	26.19	26.10	31.10	35.89	25.75	25.79	25.41	25.17
110	0.09	0.10	26.18	26.08	31.84	37.19	26.92	26.87	26.42	26.22
120	0.09	0.10	26.17	26.06	32.19	38.09	28.10	27.91	27.37	27.28
130	0.09	0.10	26.16	26.05	32.83	38.42	29.33	29.14	28.40	28.31
140	0.09	0.10	26.15	26.04	33.29	38.55	30.60	30.76	29.58	29.27
150	0.09	0.10	26.14	26.03	34.06	38.29	31.96	32.45	30.79	30.23
160	0.09	0.10	26.14	26.01	34.25	37.68	33.23	33.76	31.86	31.13
170	0.09	0.10	26.12	25.99	34.07	36.75	34.37	34.63	32.73	32.01
180	0.09	0.10	26.11	25.97	33.61	35.83	35.69	35.36	33.70	32.99
190	0.09	0.10	26.09	25.95	33.17	35.48	37.35	36.71	34.94	34.03
200	0.09	0.10	26.08	25.93	32.87	34.61	39.54	38.45	36.45	35.12
210	0.09	0.10	26.07	25.92	32.97	33.93	42.57	40.02	38.19	36.22
220	0.09	0.10	26.05	25.90	32.83	33.24	46.45	41.01	40.10	37.24
230	0.09	0.10	26.03	25.88	32.61	32.51	51.82	41.10	42.01	38.05
240	0.09	0.10	26.01	25.86	32.18	32.09	61.13	40.88	44.25	38.65
250	0.09	0.10	26.00	25.84	31.61	31.29	61.10	40.27	47.19	39.30
260	0.09	0.10	25.97	25.81	31.16	30.75	51.71	39.71	51.69	39.87
270	0.09	0.10	25.95	25.79	30.78	30.40	47.46	38.85	59.93	40.10
280	0.09	0.10	25.93	25.76	30.40	29.71	44.26	37.81	56.00	39.98
290	0.10	0.11	25.91	25.74	30.09	29.29	41.95	36.84	50.11	39.39
300	0.10	0.11	25.88	25.72	29.72	28.89	39.98	35.84	46.41	38.62
310	0.10	0.11	25.86	25.69	29.39	28.39	38.50	35.02	44.30	37.90
320	0.10	0.11	25.84	25.67	29.09	28.04	37.34	34.23	42.70	37.17
330	0.10	0.11	25.81	25.63	28.89	27.76	36.41	33.54	41.38	36.43
340	0.10	0.11	25.78	25.60	28.62	27.37	35.56	32.97	40.29	35.74
350	0.10	0.11	25.75	25.57	28.33	27.17	34.88	32.36	39.36	35.21
360	0.10	0.11	25.73	25.54	28.13	26.83	34.18	31.83	38.30	34.73
370	0.10	0.11	25.69	25.51	27.77	26.53	33.49	31.40	37.30	34.19
380	0.10	0.12	25.65	25.47	27.44	26.22	32.81	30.95	36.40	33.70
390	0.11	0.12	25.62	25.44	27.18	25.92	32.30	30.50	35.66	33.31
400	0.11	0.12	25.59	25.40	26.83	25.58	31.78	30.11	35.01	32.85
410	0.11	0.12	25.55	25.37	26.40	25.29	31.39	29.79	34.42	32.40
420	0.11	0.12	25.52	25.33	26.13	25.03	31.04	29.48	34.04	32.09
430	0.11	0.12	25.48	25.28	25.86	24.78	30.73	29.22	33.68	31.77
440	0.12	0.12	25.44	25.25	25.63	24.46	30.37	28.94	33.33	31.47
450	0.12	0.13	25.40	25.20	25.37	24.32	30.07	28.66	32.89	31.15
460	0.12	0.13	25.36	25.16	25.17	24.09	29.71	28.37	32.51	30.86
470	0.12	0.13	25.31	25.11	25.03	23.88	29.43	28.04	32.15	30.62
480	0.12	0.13	25.27	25.07	24.84	23.63	29.12	27.72	31.74	30.30
490	0.13	0.13	25.22	25.03	24.73	23.40	28.83	27.47	31.30	30.00
500	0.13	0.14	25.17	24.98	24.48	23.19	28.53	27.17	30.87	29.64
512	0.13	0.14	25.10	24.92	24.20	22.89	28.21	26.90	30.47	29.28
520	0.13	0.14	25.06	24.88	24.06	22.68	27.97	26.71	30.27	29.05
550	0.14	0.15	24.89	24.70	23.33	22.09	27.30	26.13	29.61	28.30
600	0.15	0.16	24.55	24.38	22.43	21.08	26.33	25.19	28.63	27.20
650	0.17	0.18	24.14	23.98	21.18	20.00	25.59	24.52	27.66	26.41
700	0.20	0.20	23.62	23.47	20.11	19.15	25.21	23.85	27.23	25.58
750	0.23	0.24	22.98	22.85	19.02	18.40	24.70	23.24	26.96	25.02
800	0.27	0.29	22.09	22.06	17.85	17.36	24.66	22.80	27.23	24.42



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IF/RF MICROWAVE COMPONENTS

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