

Typical Performance Data

FREQ. (MHz)	MAINLINE LOSS ⁽¹⁾ (dB)	COUPLING (dB)		DIRECTIVITY (dB)		RETURN LOSS (dB)				
		IN-THRU	IN-COUP 1	THRU-COUP 2	THRU-COUP 1	IN-COUP 2	IN	THRU	COUP 1	COUP 2
6000	0.23	29.20	29.22	41.04	33.06	26.35	26.13	39.28	31.21	
6500	0.23	29.33	29.35	36.34	31.69	33.21	32.82	40.28	30.21	
7000	0.25	29.47	29.47	33.55	31.19	35.24	34.70	39.16	34.10	
7500	0.27	29.57	29.56	32.74	31.20	26.59	26.25	40.09	39.28	
8000	0.27	29.61	29.60	31.66	31.95	25.86	25.58	35.86	42.29	
8500	0.27	29.60	29.57	28.87	30.04	31.59	31.39	31.41	40.61	
9000	0.28	29.56	29.51	25.25	26.66	35.68	35.08	31.44	32.21	
9500	0.31	29.52	29.48	23.16	24.29	25.54	25.10	38.38	31.37	
10000	0.32	29.51	29.43	22.43	23.46	23.87	23.56	37.98	36.53	
11000	0.32	29.52	29.41	24.46	26.41	42.03	37.05	27.87	27.22	
12000	0.37	29.67	29.54	29.21	35.53	22.54	22.72	31.70	34.06	
13000	0.37	29.80	29.67	34.74	36.30	29.29	30.82	32.94	42.06	
14000	0.39	29.88	29.71	37.52	36.92	25.12	25.92	29.46	30.07	
15000	0.41	29.83	29.67	26.57	27.37	25.66	28.87	26.92	32.84	
16000	0.41	29.73	29.62	20.99	23.27	26.90	27.68	25.54	23.81	
17000	0.44	29.70	29.56	23.21	25.17	23.37	25.98	27.26	28.58	
18000	0.44	29.76	29.67	26.08	34.34	31.81	33.04	22.94	21.71	
19000	0.46	29.85	29.78	34.29	26.36	23.43	25.79	25.69	35.32	
20000	0.46	29.87	29.79	24.63	28.86	36.52	43.84	25.96	41.66	
21000	0.49	29.82	29.74	22.93	22.68	22.92	24.56	22.83	29.59	
22000	0.50	29.83	29.73	21.68	20.45	29.27	29.76	21.42	20.00	
23000	0.52	29.79	29.73	18.33	20.85	25.05	26.19	22.52	21.34	
24000	0.53	29.80	29.70	21.18	22.89	27.23	26.64	26.58	22.51	
25000	0.54	29.93	29.84	21.97	32.75	29.03	29.77	21.70	23.01	
26000	0.56	30.00	29.92	30.33	35.90	28.16	28.06	19.64	28.59	
26500	0.57	29.96	29.93	33.83	32.74	29.97	29.43	24.02	27.62	
27000	0.58	29.90	29.92	24.54	30.65	29.15	29.76	29.37	25.79	
28000	0.60	29.88	29.94	24.01	23.56	26.65	29.38	22.69	30.43	
29000	0.63	29.87	29.89	27.20	27.17	24.13	25.93	31.39	23.84	
30000	0.65	29.82	29.89	28.21	28.48	21.64	22.87	32.10	30.01	
31000	0.66	29.94	29.94	26.60	23.12	23.09	30.99	22.55	22.06	
32000	0.68	29.86	29.99	21.74	37.11	25.55	26.03	37.37	31.27	
33000	0.74	29.89	29.95	35.75	22.91	18.32	20.47	20.99	22.04	
34000	0.76	29.80	29.99	24.77	22.32	23.96	22.84	25.41	25.66	
35000	0.74	29.73	29.82	32.50	26.15	22.83	29.89	21.92	27.48	
36000	0.77	29.62	29.79	22.96	24.60	25.30	25.38	31.56	20.82	
37000	0.76	29.50	29.57	19.88	14.89	25.89	28.02	20.13	20.69	
38000	0.77	29.53	29.59	24.98	17.26	31.84	34.71	22.42	17.42	
39000	0.82	29.40	29.41	31.64	20.53	21.31	21.05	28.92	21.12	
40000	0.79	29.30	29.39	35.34	16.19	24.61	21.80	23.03	18.58	

⁽¹⁾ Mainline loss includes coupling loss