

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
2000	0.22	20.18	20.23	42.02	38.34	40.47	38.11	38.93	28.61	
3000	0.26	20.07	20.11	36.76	31.80	44.96	48.85	40.93	36.07	
4000	0.30	20.42	20.42	27.10	28.67	29.89	29.74	27.28	26.64	
5000	0.33	20.09	20.08	28.16	31.46	32.87	32.68	34.01	33.38	
6000	0.37	20.12	20.21	48.57	27.90	29.51	29.18	29.64	25.85	
7000	0.39	20.29	20.43	29.51	32.70	31.24	30.26	43.35	34.88	
8000	0.41	20.22	20.29	24.50	30.27	32.34	28.15	28.65	38.81	
9000	0.44	20.30	20.33	27.79	29.31	25.65	27.46	35.05	27.27	
10000	0.46	20.31	20.41	30.43	34.12	27.11	26.80	29.46	42.03	
11000	0.48	20.15	20.34	27.94	24.83	28.91	32.22	30.23	25.43	
12000	0.51	20.28	20.47	37.49	27.02	25.09	26.19	39.80	31.08	
13000	0.50	20.48	20.57	35.75	31.71	48.49	42.30	25.91	29.04	
14000	0.53	20.44	20.41	31.44	24.23	31.39	33.76	36.58	33.17	
15000	0.54	20.57	20.48	24.69	27.24	30.14	32.86	24.09	25.45	
16000	0.55	20.69	20.58	32.99	24.49	32.51	38.74	19.91	20.58	
17000	0.58	20.51	20.49	21.63	24.29	27.06	27.77	29.19	34.72	
18000	0.59	20.53	20.56	26.10	25.17	28.48	29.09	20.30	21.17	
19000	0.62	20.62	20.67	35.45	28.66	28.27	26.84	33.70	33.24	
20000	0.64	20.51	20.51	22.28	26.10	26.56	25.40	20.87	20.92	
21000	0.66	20.55	20.51	19.16	15.77	33.16	33.73	21.98	19.53	
22000	0.69	20.61	20.71	24.48	21.58	26.47	25.78	23.06	18.61	
23000	0.70	20.51	20.67	20.83	16.68	35.66	31.68	17.89	16.20	
24000	0.72	20.48	20.62	21.05	23.44	30.69	31.45	45.61	31.62	
25000	0.73	20.67	20.71	26.89	23.44	32.08	32.06	18.80	19.52	
26000	0.76	20.50	20.54	27.60	21.71	31.58	27.89	39.34	30.21	
26500	0.77	20.49	20.48	26.19	27.23	31.91	30.14	21.61	25.58	
27000	0.77	20.51	20.59	21.92	29.94	33.19	31.61	18.69	20.78	
28000	0.82	20.64	20.79	19.10	18.90	20.81	21.70	26.15	28.65	
29000	0.81	20.47	20.70	33.81	25.80	26.26	28.17	29.11	42.06	
30000	0.85	20.49	20.78	25.85	24.09	19.40	20.45	26.47	27.58	
31000	0.83	20.49	20.86	25.71	24.35	28.48	36.53	23.35	27.61	
32000	0.87	20.39	20.74	31.12	23.39	20.24	20.56	22.80	23.57	
33000	0.90	20.47	20.73	21.25	18.44	27.30	22.90	23.44	25.05	
34000	0.92	20.56	20.68	26.12	33.68	21.83	22.33	19.77	20.79	
35000	0.96	20.45	20.49	31.17	34.45	25.17	24.73	31.75	26.95	
36000	0.96	20.46	20.60	30.39	42.79	29.10	30.37	34.78	45.28	
37000	0.98	20.43	20.61	23.45	16.99	30.24	27.66	36.05	21.51	
38000	1.00	20.36	20.68	41.86	23.19	26.72	24.35	24.99	23.04	
39000	1.09	20.40	20.45	18.75	14.30	20.27	19.50	17.79	20.41	
40000	1.09	20.29	20.49	17.44	20.42	20.11	18.81	22.52	19.65	

⁽¹⁾ Mainline loss includes coupling loss