

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
18000	0.41	29.97	30.01	22.60	29.40	30.45	29.20	26.96	22.18	
18500	0.42	30.08	30.09	22.89	27.99	25.34	24.45	27.05	24.49	
19000	0.43	30.15	30.14	25.10	25.61	25.80	25.42	26.04	28.50	
19500	0.43	30.17	30.17	25.21	27.64	31.61	32.21	25.83	27.86	
20000	0.44	30.07	30.06	22.74	32.48	36.82	34.66	28.66	31.36	
20500	0.45	30.08	30.08	20.45	26.60	28.32	26.86	30.10	42.22	
21000	0.46	30.11	30.04	21.66	24.46	27.16	26.24	24.35	27.55	
21500	0.46	30.15	30.06	29.44	27.37	31.27	30.06	21.88	26.38	
22000	0.47	30.18	30.10	26.33	45.84	52.32	36.85	22.22	27.58	
22500	0.48	30.03	30.08	20.04	24.95	31.90	29.93	24.50	24.61	
23000	0.49	29.99	30.05	17.60	19.73	29.03	27.77	27.15	23.31	
23500	0.49	29.97	29.97	18.27	18.86	30.80	29.02	28.98	26.79	
24000	0.50	30.04	30.00	20.01	20.23	40.18	31.46	30.12	33.68	
24500	0.52	30.20	30.24	20.15	23.62	36.91	30.59	31.42	26.31	
25000	0.52	30.19	30.30	19.64	28.11	32.96	29.81	34.25	25.32	
25500	0.52	30.20	30.31	21.02	26.42	36.04	33.65	25.22	25.69	
26000	0.53	30.26	30.35	29.11	30.91	50.79	40.86	20.78	23.13	
26500	0.54	30.20	30.34	25.89	36.30	34.74	33.95	20.07	21.98	
27000	0.56	30.11	30.23	20.41	27.11	33.52	33.28	23.41	25.10	
27500	0.56	30.13	30.28	18.36	22.07	37.42	36.28	30.56	39.82	
28000	0.57	30.13	30.30	21.01	21.75	36.48	46.78	25.50	28.21	
28500	0.58	30.16	30.33	28.83	24.98	29.90	32.38	23.51	26.25	
29000	0.60	30.03	30.26	24.15	28.80	27.14	27.70	26.68	31.38	
29500	0.60	29.97	30.19	19.11	24.68	26.66	26.28	35.81	35.54	
30000	0.61	30.02	30.20	20.13	23.88	26.25	25.52	25.72	27.75	
30500	0.62	30.16	30.35	27.72	27.20	25.95	25.76	22.24	25.54	
31000	0.63	30.15	30.34	26.38	28.24	26.64	26.60	22.30	23.63	
31500	0.64	30.01	30.27	18.95	22.78	31.58	30.87	23.59	22.71	
32000	0.64	30.07	30.25	17.51	20.82	36.93	33.61	24.48	25.21	
32500	0.66	30.21	30.28	20.66	23.05	25.68	24.74	24.45	29.05	
33000	0.69	30.19	30.34	38.00	33.59	21.58	20.91	21.95	23.25	
33500	0.73	30.20	30.24	21.39	27.15	20.51	20.30	20.43	21.18	
34000	0.74	30.18	30.21	17.23	21.91	22.14	22.84	22.73	22.90	
34500	0.72	30.10	30.16	18.14	22.05	27.43	31.15	31.70	25.34	
35000	0.70	30.12	30.13	20.74	24.61	32.08	31.41	22.07	21.48	
36000	0.75	29.93	29.95	16.49	17.69	23.45	25.39	22.46	27.60	
37000	0.72	29.98	29.84	16.31	16.42	30.12	30.75	18.76	17.18	
38000	0.75	30.09	30.01	32.98	25.20	41.48	36.65	19.45	19.11	
39000	0.79	29.72	29.67	23.74	22.58	24.94	21.94	22.20	23.91	
40000	0.79	30.05	29.80	37.88	28.26	24.06	23.04	25.03	23.70	

⁽¹⁾ Mainline loss includes coupling loss