

Typical Performance Curves

FREQ. (MHz)	INSERTION LOSS RF - RF&DC (dB)			ISOLATION RF&DC - DC (dB)			VSWR RF&DC (:1)		
	-55°C	25°C	85°C	-55°C	25°C	85°C	-55°C	25°C	85°C
1500	0.83	0.87	0.91	44.29	44.46	44.41	1.52	1.49	1.47
2000	0.63	0.66	0.69	48.46	48.62	48.52	1.19	1.17	1.16
2500	0.60	0.64	0.65	51.05	51.42	51.40	1.09	1.08	1.07
3000	0.60	0.63	0.65	54.12	54.42	54.58	1.08	1.07	1.06
3500	0.61	0.64	0.66	57.06	56.94	56.98	1.08	1.08	1.07
4000	0.63	0.65	0.68	58.53	58.75	58.58	1.11	1.11	1.11
4500	0.64	0.67	0.70	60.64	60.77	60.51	1.17	1.17	1.18
5000	0.66	0.70	0.73	62.43	62.51	62.15	1.21	1.21	1.22
5500	0.69	0.73	0.76	63.45	63.34	62.91	1.24	1.25	1.25
6000	0.72	0.77	0.79	62.55	61.87	61.07	1.28	1.29	1.29
6500	0.74	0.80	0.82	59.28	59.79	59.81	1.32	1.33	1.32
7000	0.73	0.80	0.83	59.44	59.86	59.84	1.33	1.34	1.35
7500	0.71	0.77	0.81	59.86	60.31	60.26	1.30	1.31	1.32
8000	0.69	0.74	0.78	59.68	60.01	59.87	1.24	1.24	1.26
8500	0.68	0.73	0.76	58.93	59.41	59.22	1.19	1.19	1.20
9000	0.67	0.73	0.77	58.35	58.63	58.42	1.18	1.18	1.20
9500	0.67	0.74	0.76	56.47	56.65	55.93	1.20	1.21	1.22
10000	0.66	0.71	0.73	54.43	54.23	53.66	1.22	1.21	1.20
10500	0.63	0.67	0.69	50.70	50.39	49.63	1.18	1.14	1.12
11000	0.58	0.65	0.67	45.98	45.73	45.24	1.09	1.05	1.04
11500	0.56	0.64	0.67	42.25	42.58	42.52	1.07	1.08	1.10
12000	0.55	0.62	0.65	42.25	43.05	43.26	1.14	1.13	1.14
12500	0.52	0.58	0.60	44.17	44.74	44.76	1.17	1.14	1.13
13000	0.47	0.53	0.55	45.18	45.64	45.49	1.15	1.12	1.11
13500	0.41	0.48	0.50	45.71	45.92	45.76	1.11	1.09	1.07
14000	0.38	0.45	0.47	45.36	45.57	45.45	1.11	1.08	1.06
14500	0.35	0.44	0.46	43.70	43.97	43.73	1.14	1.13	1.12
15000	0.34	0.45	0.49	41.38	41.59	41.39	1.20	1.21	1.21
15500	0.35	0.48	0.53	41.02	41.94	42.25	1.25	1.30	1.30
16000	0.39	0.53	0.59	44.67	45.48	45.71	1.32	1.37	1.38
16500	0.46	0.59	0.66	47.12	47.71	47.86	1.43	1.42	1.46
17000	0.53	0.65	0.72	48.56	48.86	48.87	1.50	1.48	1.51
17500	0.60	0.72	0.78	49.49	49.97	49.99	1.56	1.56	1.57
18000	0.67	0.81	0.86	49.85	50.13	50.15	1.65	1.68	1.65
18500	0.79	0.88	0.92	50.37	50.72	50.53	1.81	1.74	1.71
19000	0.84	0.86	0.88	49.59	50.02	49.88	1.86	1.69	1.66
19500	0.72	0.73	0.73	48.87	49.32	49.19	1.69	1.53	1.49
20000	0.48	0.57	0.56	48.70	49.24	49.24	1.39	1.35	1.30
20500	0.29	0.47	0.49	48.48	48.94	48.90	1.20	1.24	1.21
21000	0.28	0.48	0.53	48.40	48.70	48.55	1.18	1.25	1.24
21500	0.44	0.57	0.66	48.56	48.81	48.43	1.36	1.35	1.39
22000	0.58	0.69	0.78	47.60	47.74	47.31	1.50	1.46	1.49
22500	0.61	0.76	0.82	44.70	44.85	44.47	1.49	1.49	1.48
23000	0.61	0.78	0.84	43.47	44.71	45.08	1.46	1.47	1.45
23500	0.67	0.79	0.85	46.79	47.57	47.52	1.49	1.46	1.45
24000	0.69	0.78	0.82	47.77	48.30	48.23	1.59	1.49	1.49
24500	0.58	0.70	0.73	46.31	46.50	46.36	1.56	1.45	1.41
25000	0.45	0.63	0.70	46.51	46.94	47.32	1.34	1.33	1.31
25500	0.55	0.76	0.86	45.11	45.61	45.67	1.34	1.42	1.45
26000	0.73	0.97	1.05	45.96	46.56	47.05	1.55	1.64	1.64
26500	0.81	0.99	1.05	46.37	47.77	48.07	1.62	1.65	1.63
27000	0.81	0.92	1.01	46.70	46.68	46.08	1.53	1.46	1.44
27500	0.81	0.98	1.10	47.99	48.13	47.71	1.43	1.34	1.33
28000	0.90	1.20	1.33	47.29	47.60	47.44	1.47	1.48	1.48



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS

REV. OR
MBT-283+
10/22/2020
Page 1 of 1