

Typical Performance Data

FREQ. (MHz)	VSWR (:1)		
	0°C	+25°C	+50°C
1	1.05	1.05	1.05
10	1.04	1.04	1.04
20	1.04	1.04	1.04
50	1.04	1.04	1.04
100	1.04	1.04	1.04
200	1.03	1.04	1.04
400	1.03	1.02	1.02
500	1.02	1.02	1.02
600	1.01	1.01	1.01
800	1.01	1.01	1.01
1000	1.03	1.03	1.03
1200	1.05	1.05	1.04
1400	1.06	1.06	1.05
1500	1.07	1.06	1.06
1600	1.07	1.07	1.06
1800	1.08	1.07	1.07
2000	1.08	1.07	1.07
2200	1.08	1.07	1.06
2400	1.07	1.06	1.06
2600	1.07	1.06	1.05
2800	1.08	1.07	1.06
3000	1.08	1.08	1.08
3200	1.09	1.09	1.10
3400	1.11	1.10	1.11
3600	1.12	1.12	1.12
3800	1.13	1.13	1.13
4000	1.13	1.14	1.14
4500	1.16	1.17	1.18
4735	1.19	1.18	1.19
5000	1.20	1.17	1.16
5100	1.20	1.17	1.15
5285	1.19	1.15	1.12
5500	1.16	1.13	1.10
5650	1.13	1.12	1.11
6000	1.14	1.16	1.19
6310	1.22	1.23	1.23
6500	1.25	1.24	1.25
7000	1.17	1.18	1.20
7500	1.16	1.13	1.10

Notes

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- B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuits' applicable established test performance criteria and measurement instructions.
- C. The parts covered by this specification document are subject to Mini-Circuits' standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp



Typical Performance Data

LINEARITY @ -45 to -10 dBm	
FREQ (MHz)	- (%)
40	-0.69
50	-1.60
67	0.93
82	0.69
100	1.86
200	-2.28
284	-2.28
350	1.16
388	1.62
500	1.86
576	-0.92
650	-2.05
700	-2.95
786	-0.92
850	-0.46
900	0.23
1150	-0.92
1250	-1.60
1350	-1.60
1500	-2.73
1650	-3.39
1750	1.62
1850	1.39
2000	-0.46
2150	-0.23
2250	0.46
2500	-2.95
2750	-1.60
3000	-1.60
3250	-2.73
3500	-4.94
3750	-5.81
3850	-5.16
4000	-0.46
4500	-3.84
4750	-2.28
5250	-1.60
5500	-3.62
6000	-2.95
6100	-2.95

LINEARITY @ -10 to +10 dBm	
FREQ (MHz)	- (%)
40	-0.23
50	-0.92
67	-0.23
82	-0.23
100	-0.23
200	-0.69
284	2.09
350	2.09
388	1.62
500	0.23
576	0.00
650	0.00
700	-0.23
786	-0.23
850	0.46
900	0.69
1150	0.00
1250	-0.23
1350	2.33
1500	0.23
1650	-0.69
1750	-0.69
1850	-0.69
2000	-0.46
2150	0.23
2250	-0.46
2500	0.46
2750	0.46
3000	0.69
3250	0.00
3500	0.46
3750	-0.46
3850	-0.46
4000	0.93
4500	-0.23
4750	-1.37
5250	-1.37
5500	-0.23
6000	0.23
6100	0.23

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Typical Performance Data

FREQ. (MHz)	UNCERTAINTY OF POWER MEASUREMENTS AT CW @ 25°C (dB)							
	-45	-40	-20	-10	-5	0	+5	+10
40	0.59	0.55	0.55	0.56	0.57	0.56	0.56	0.55
50	0.11	0.06	0.05	0.04	0.03	0.03	0.03	0.00
67	-0.03	0.03	0.02	0.01	0.00	0.02	-0.01	0.00
82	-0.01	0.04	0.00	0.02	0.04	0.02	0.01	0.01
100	-0.06	0.05	0.04	0.02	0.03	0.02	0.01	0.01
200	0.13	0.05	0.03	0.03	0.03	0.02	0.01	0.00
284	0.12	0.07	0.03	0.02	0.05	0.04	0.03	0.11
350	-0.06	0.03	0.00	-0.01	0.02	0.02	0.01	0.08
388	-0.07	0.03	0.02	0.00	0.00	0.00	0.01	0.07
500	-0.09	0.14	0.01	-0.01	0.00	0.02	0.00	0.00
576	-0.04	-0.06	-0.08	-0.08	-0.06	-0.06	-0.07	-0.08
650	0.05	-0.01	-0.04	-0.04	-0.05	-0.06	-0.05	-0.04
700	0.12	0.02	0.00	-0.01	-0.01	-0.02	-0.01	-0.02
786	0.07	0.05	0.03	0.03	0.02	0.03	0.03	0.02
850	0.03	0.14	0.00	0.01	0.00	0.03	0.03	0.03
900	-0.01	0.13	0.00	0.00	0.03	0.04	0.04	0.03
1150	0.04	-0.04	0.01	0.00	0.02	0.03	0.04	0.00
1250	0.10	0.15	0.04	0.03	0.04	0.04	0.03	0.02
1350	0.10	0.14	0.05	0.03	0.03	0.06	0.06	0.13
1500	0.15	0.13	0.04	0.03	0.05	0.05	0.06	0.04
1650	0.16	0.12	0.03	0.01	0.01	0.00	0.03	-0.02
1750	-0.04	-0.01	0.00	0.03	0.02	0.01	0.02	0.00
1850	-0.05	-0.02	0.00	0.01	0.02	0.01	0.00	-0.02
2000	0.05	-0.03	0.03	0.03	0.05	0.05	0.04	0.01
2150	-0.01	0.03	0.02	-0.02	0.02	0.00	0.00	-0.01
2250	-0.01	0.03	0.01	0.01	0.03	0.01	0.00	-0.01
2500	0.12	0.04	0.01	-0.01	0.03	0.02	0.02	0.01
2750	0.08	-0.06	0.01	0.01	0.06	0.04	0.02	0.03
3000	0.03	0.09	-0.01	-0.04	0.01	0.01	0.00	-0.01
3250	0.07	0.07	-0.03	-0.05	-0.02	-0.04	-0.05	-0.05
3500	0.17	-0.04	-0.03	-0.05	0.00	-0.01	-0.04	-0.03
3750	0.30	0.04	0.05	0.04	0.07	0.05	0.04	0.02
3850	0.27	0.03	0.06	0.04	0.08	0.06	0.05	0.02
4000	-0.04	0.00	-0.04	-0.06	-0.03	-0.03	-0.02	-0.02
4500	0.14	-0.04	0.01	-0.03	-0.01	-0.05	-0.05	-0.04
4750	0.13	0.00	0.06	0.03	0.08	-0.01	-0.02	-0.03
5250	0.12	0.14	0.06	0.05	0.10	0.00	-0.02	-0.01
5500	0.14	-0.01	0.02	-0.02	0.02	-0.04	-0.04	-0.03
6000	0.02	-0.07	-0.07	-0.11	-0.05	-0.06	-0.09	-0.10
6100	0.05	-0.05	-0.04	-0.08	-0.01	-0.06	-0.06	-0.07

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