

# MMIC Amplifier

# MAR-8SM+

## Typical Performance Data

FREQUENCY (MHz)	GAIN (dB) 36 mA	ISOLATION (dB) 36 mA	RETURN LOSS IN (dB) 36 mA	RETURN LOSS OUT (dB) 36 mA
1	32.18	39.43	3.82	4.57
25	31.94	38.95	3.76	4.07
50	31.83	38.08	3.83	4.14
100	31.56	36.23	4.12	4.47
200	30.53	32.66	4.98	5.43
300	29.30	30.40	6.19	6.73
400	28.06	28.76	7.35	8.14
500	26.78	27.50	8.11	9.38
600	25.61	26.43	9.29	10.26
700	24.58	25.57	9.83	11.85
800	23.62	24.74	10.15	12.71
900	22.68	24.04	11.04	12.96
1000	21.86	23.35	11.00	14.63
1100	21.10	22.74	11.02	15.44
1200	20.36	22.21	11.80	14.65
1300	19.69	21.67	11.21	16.50
1400	19.08	21.19	11.30	17.57
1500	18.44	20.78	11.93	15.80
1600	17.89	20.35	10.98	17.74
1700	17.37	19.97	11.17	19.78
1800	16.82	19.63	11.55	16.88
1900	16.32	19.35	10.53	18.85
2000	15.88	19.02	10.80	22.64
2100	15.40	18.78	11.13	17.53
2200	14.99	18.45	10.02	20.51
2300	14.61	18.18	10.24	25.92
2400	14.18	17.97	10.54	17.75
2500	13.81	17.76	9.45	21.90
2600	13.49	17.49	9.79	25.15
2700	13.11	17.29	10.07	18.00
2800	12.78	17.12	8.90	23.73
2900	12.47	16.93	9.43	20.46
3000	12.17	16.74	9.73	18.43
3100	11.91	16.44	8.29	21.80
3200	11.63	16.33	8.84	16.07
3500	10.94	15.75	8.26	12.96
4000	10.60	14.06	6.81	8.70
4500	9.45	13.81	8.86	13.84
5000	7.80	13.86	5.90	12.62
5500	6.18	13.70	6.06	6.55
6000	4.81	13.63	6.22	8.74

REV. X2  
MAR-8SM+  
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