



Microwave Applications (continued)

1.7–2.3 GHz Broadband CW

The MRF2000M Series of transistors have internal input impedance matching networks which facilitate broadband circuit designs in the 1.7 to 2.3 GHz telecommunications band. The devices are designed for Class B and C common base amplifier applications.

Device	P _{out} Output Power Watts	P _{in} Input Power Watts	G _{PB} Power Gain dB Min	V _{CC} Supply Voltage Volts	Package
MRF2001M	1.0	0.14	8.5	24	337-02
MRF2003M	3.0	0.48	8.0	24	337-02
MRF2005M	5.0	0.89	7.5	24	337-02
MRF2010M	10	2.0	7.0	24	337-02
MRF2016M	16	3.6	6.5	24	337-02

2.0 GHz NARROWBAND CW

The MRF2000 Series of NP Silicon microwave power transistors are designed for common base service in amplifier or oscillator applications in the 1.0 to 2.3 GHz frequency range.

MR2001	1.0	0.13	9.0	28	328A-01
MRF2003	3.0	0.5	7.8	28	328A-01
MRF2005	5.0	0.8	8.0	28	328A-01
MRF2010	10	2.5	6.0	28	328A-01