

**VHF TRANSISTORS**

A broad range of devices are offered for the popular frequency bands in the VHF spectrum. Applications include low and mid-band FM mobile radio, FM broadcast and aircraft communications.

**27-88 MHz CLASS C, COMMON EMITTER, LOW & MID-BAND FM**

PART NUMBER	FREQ. (MHz)	P <sub>OUT</sub> MIN. (W)	P <sub>IN</sub> (W)	GAIN MIN (dB)	V <sub>CC</sub> (V)	R <sub>TH(j-c)</sub> MAX (°C/W)	PACKAGE STYLE
<a href="#">SD1446</a>	50	70	7	10	12.5	1.05	M113
<a href="#">SD1405</a>	50	100	20	7	12.5	0.65	M174
<a href="#">SD1726</a>	70	150	19	9	50	0.75	M174
<a href="#">SD1727</a>	70	150	19	9	50	0.75	M164
<a href="#">SD1728</a>	70	250	25	10	50	0.40	M177

**88-108 MHz CLASS C, COMMON EMITTER, FM BROADCAST**

PART NUMBER	FREQ. (MHz)	P <sub>OUT</sub> MIN. (W)	P <sub>IN</sub> (W)	GAIN MIN (dB)	η <sub>C</sub> MIN (%)	V <sub>CC</sub> (V)	R <sub>TH(j-c)</sub> MAX (°C/W)	PACKAGE STYLE
<a href="#">SD1457</a>	108	75	7.5	10	70	28	1.5	M174
<a href="#">SD1460</a>	108	150	18	9.2	70	28	0.75	M174
<a href="#">SD1483</a>	108	300	30	10	60	28	0.45	M175

**136-175 MHz CLASS C, COMMON EMITTER, HIGH BAND FM**

PART NUMBER	FREQ. (MHz)	P <sub>OUT</sub> MIN. (W)	P <sub>IN</sub> (W)	GAIN MIN (dB)	η <sub>C</sub> MIN (%)	V <sub>CC</sub> (V)	R <sub>TH(j-c)</sub> MAX (°C/W)	PACKAGE STYLE
<a href="#">SD1134-05</a>	150	1.4	0.1	11.5	—	7.5	35	M123
<a href="#">SD1135-03</a>	150	2.5	0.2	11	—	7.5	11.6	M123
<a href="#">SD1274</a>	160	30	3	10	—	13.6	1.2	M135
<a href="#">SD1274-01</a>	160	30	3	10	—	13.6	1.2	M113
<a href="#">SD1275</a>	160	40	5	9	—	13.6	1.2	M135
<a href="#">SD1275-01</a>	160	40	5	9	—	13.6	1.2	M113
<a href="#">SD1477</a>	175	100	25	6	—	12.5	0.65	M111
<a href="#">SD1224</a>	175	40	7	7.6	60	28	2.9	M135
<a href="#">SD1224-02</a>	175	40	7	7.6	60	28	2.9	M113
<a href="#">SD1480</a>	136-175	125	15	9.2	55	28	0.65	M111