

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 _{OUT} MIN. (W) | P _{IN} (W) | GAIN MIN (dB) | V _{CC} (V) | R _{TH(j-c)} MAX (°C/W) | PACKAGE STYLE |
|-------------|-------------|---------------------------|---------------------|---------------|---------------------|---------------------------------|---------------|
| SD1446 | 50 | 70 | 7 | 10 | 12.5 | 1.05 | M113 |
| SD1405 | 50 | 100 | 20 | 7 | 12.5 | 0.65 | M174 |
| SD1726 | 70 | 150 | 19 | 9 | 50 | 0.75 | M174 |
| SD1727 | 70 | 150 | 19 | 9 | 50 | 0.75 | M164 |
| SD1728 | 70 | 250 | 25 | 10 | 50 | 0.40 | M177 |

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

| PART NUMBER | FREQ. (MHz) | P _{OUT} MIN. (W) | P _{IN} (W) | GAIN MIN (dB) | η _C MIN (%) | V _{CC} (V) | R _{TH(j-c)} MAX (°C/W) | PACKAGE STYLE |
|-------------|-------------|---------------------------|---------------------|---------------|------------------------|---------------------|---------------------------------|---------------|
| SD1457 | 108 | 75 | 7.5 | 10 | 70 | 28 | 1.5 | M174 |
| SD1460 | 108 | 150 | 18 | 9.2 | 70 | 28 | 0.75 | M174 |

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

| PART NUMBER | FREQ. (MHz) | P _{OUT} MIN. (W) | P _{IN} (W) | GAIN MIN (dB) | η _C MIN (%) | V _{CC} (V) | R _{TH(j-c)} MAX (°C/W) | PACKAGE STYLE |
|-------------|-------------|---------------------------|---------------------|---------------|------------------------|---------------------|---------------------------------|---------------|
| SD1135-03 | 150 | 2.5 | 0.2 | 11 | — | 7.5 | 11.6 | M123 |
| SD1274 | 160 | 30 | 3 | 10 | — | 13.6 | 1.2 | M135 |
| SD1274-01 | 160 | 30 | 3 | 10 | — | 13.6 | 1.2 | M113 |
| SD1275 | 160 | 40 | 5 | 9 | — | 13.6 | 1.2 | M135 |
| SD1275-01 | 160 | 40 | 5 | 9 | — | 13.6 | 1.2 | M113 |
| SD1477 | 175 | 100 | 25 | 6 | — | 12.5 | 0.65 | M111 |
| SD1480 | 136-175 | 125 | 15 | 9.2 | 55 | 28 | 0.65 | M111 |