

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 _{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
SD1483	108	300	30	10	60	28	0.45	M175

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
SD1134-05	150	1.4	0.1	11.5	—	7.5	35	M123
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
SD1224	175	40	7	7.6	60	28	2.9	M135
SD1224-02	175	40	7	7.6	60	28	2.9	M113
SD1480	136-175	125	15	9.2	55	28	0.65	M111