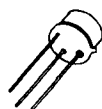


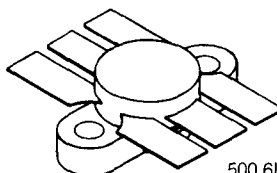
RF & MICROWAVE TRANSISTORS



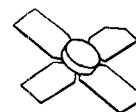
TO 39



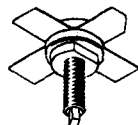
.380 4LFL



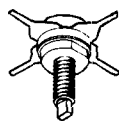
.500 6LFL



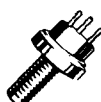
.280 4LSL (B)



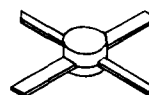
.380 4L STUD



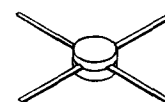
.380 NARROW 4L STUD



TO 60



XO-72 SL



TO-117 SL

130 ... 230 MHz CLASS C FOR FM MOBILE APPLICATIONS

Type		Package	Config.	V _{CC} (V)	P _{out} min (W)	f _o (MHz)	P _{in} (W)	G _p min (dB)	η _c min (%)
P/N	SD #								
SD 1134-5		.280 4LSL (B)	CE	7.5	0.5	150	0.1	7	—
SD 1080-2		XO-72 SL	CE	7.5	0.75	175	0.1	8	—
SD 1115-2		TO-117 SL	CE	7.5	2	175	0.25	8	—
SD 1012-4		.280 4LSL (B)	CE	7.5	2.5	175	0.79	5	—
SD 1135-3		.280 4LSL (B)	CE	7.5	2.5	150	0.22	11	—
2N 4427	SD 1484	TO-39	CE	12	1	175	0.1	10	—
SD 1127		TO-39	CE	12.5	4	175	0.4	10	—
2N 6080	SD 1012	.380 4L STUD	CE	12.5	4	175	0.25	12	60
SD 1012-3		.380 4LFL	CE	12.5	6	175	0.75	9	—
SD 1133		.380 4L STUD	CE	12.5	10	175	1	10	—
SD 1143		.380 4L STUD	CE	12.5	10	175	1	10	—
SD 1143-1		.380 4LFL	CE	12.5	10	175	1	10	—
2N 6081	SD 1014-2	.380 4L STUD	CE	12.5	15	175	3.5	6.3	60
SD 1014-6		.380 4LFL	CE	12.5	15	175	3.5	6.3	—
2N 6082	SD 1229-7	.380 4L STUD	CE	12.5	25	175	6	6.2	50
SD 1229-1		.380 4LFL	CE	12.5	25	175	7.9	5	—
SD 1272		.380 4L STUD	CE	12.5	25	175	3	9.2	—
SD 1272-2		.380 4LFL	CE	12.5	25	175	3	9.2	—
SD 1274		.380 4L STUD	CE	12.5	30	175	3	10	—
SD 1274-1		.380 4L FL	CE	12.5	30	175	3	10	—
2N 6083	SD 1229-8	.380 4L STUD	CE	12.5	30	175	8.1	5.7	50
2N 6084	SD 1018	.380 4L STUD	CE	12.5	40	175	14	4.5	50
SD 1018-6		.380 4LFL	CE	12.5	40	175	14	4.5	70
SD 1018-15		.380 4LFL	CE	12	40	175	12	4.5	70
SD 1278		.380 4L STUD	CE	12.5	40	175	10	6	—
SD 1275		.380 4L STUD	CE	12.5	40	175	5	9	—
SD 1275-1		.380 4LFL	CE	12.5	40	175	5	9	—
SD 1428*		.500 6LFL	CE	12.5	45	175	10	6.5	50
SD 1477*		.500 6LFL	CE	12.5	100	175	25	6	—
SD 1441*		.500 6LFL	CE	12.5	150	175	40	5	—
SD 1021		.380 4L STUD	CE	12.5	5.5	230	1.3	6.2	60
SD 1022		.380 4L STUD	CE	12.5	30	230	5.5	7.4	60
2N 5589	SD 1212-2	.380 NARROW 4L STUD	CE	13.6	3	175	0.2	8.2	50
2N 3924	SD 1064	TO-39	CE	13.6	4	175	1	6	70
2N 3926	SD 1062	TO-60	CE	13.6	7	175	1.7	5.4	70
2N 5590	SD 1214-12	.380 4L STUD	CE	13.6	10	175	2.3	5.2	50
2N 3927	SD 1072	TO-60	CE	13.6	12	175	4	4.8	80
2N 5591	SD 1216	.380 4L STUD	CE	13.6	25	175	8.3	4.4	50
SD 1273		.380 4L STUD	CE	13.6	40	160	5	9	55
2N 3553	SD 1065	TO-39	CE	28	2.5	175	0.25	10	—
2N 5641	SD 1220	.380 NARROW 4L STUD	CE	28	7	175	0.45	8.4	60
2N 3632	SD 1070	TO-60	CE	28	13.5	175	3.5	5.8	—
2N 5642	SD 1222-10	.380 4L STUD	CE	28	20	175	1.4	8.2	60
2N 5643	SD 1224	.380 4L STUD	CE	28	40	175	6.6	7.6	60

* Internally input matched.

SD # is the code used in our invoicing system.

SMALL SIGNAL TRANSISTORS

TRANSISTORS FOR RADIO FREQUENCY APPLICATIONS

Polar.	Max ratings			Type	Main function	Trans. Freq.		Noise figure			Gain		Package
	V _{CEO} (V)	I _C (mA)	P _{tot} (mW)			f _T (MHz)	@ I _C (mA)	NF (dB)	@ I _C (mA)	/ f (MHz)	P _G (dB)	@ f (MHz)	
PNP	35	20		BFR 38	VHF/UHF amplifier	1000	3	3.5	3	800	14	800	TO 72
PNP	35	20	200	BF 272A	UHF amp.	850	3	3.5	3	800	15	800	TO 72
NPN	25	25	175	BF 173	Video IF amp	1000 typ	5	—	—	—	25 typ	35	TO 72
NPN	15	40	200	2N 2857	VHF/UHF amplifier/osc	1200	5	3.8	1.5	450	16	450	TO 72
NPN	15	40	200	2N 3839	VHF/UHF amplifier/osc	1400	5	3	1.5	450	17	450	TO 72
NPN	12	50	200	2N 5179	VHF amplifier/osc	1400	5	3	1.5	200	21	200	TO 72
NPN	15	50	200	BFX 89	UHF amplifier	1200	25	5	2	500	12	500	TO 72
PNP	25	50	225	BFR 99A	UHF amplifier	1400	10	5	3	800	10	800	TO 72
PNP	25	50	225	BFR 99	UHF amplifier	2000	10	3.5	3	800	12	800	TO 72
NPN	25	150	700	BFW 16A	CATV-MATV amplifier	1200	150	6	30	200	6.5	800	TO 39
NPN	25	150	700	BFX 17A	CATV-MATV amplifier	1100	150	—	—	—	16	200	TO 39
NPN	20	500	3500	2N 4427	VHF power amp.	500	50	—	—	—	10	175	TO 39
NPN	30	500	3500	2N 3866	UHF/VHF power amp.	500	50	—	—	—	10	400	TO 39

NPN GENERAL PURPOSE TRANSISTORS - TO 18

V _{CEO} V _{CER} * (V)	h _{FE} min/max @ I _C (mA)	Type	V _{CE(sat)} max (V) @ I _C (mA)	f _T min (MHz)	t _s (ns)	P _{tot} (mW)	Also available		
55	50/—	50	BSX 33	0.3	150	60	800	500	
25	75/260	100	BC 377	0.7	500	300 typ.	—	375	
40	75/260	100	BC 378	0.7	500	300 typ.	—	375	
30	100/300	150	2N 2222	1.6	500	250	225	500	2N 2221
40	100/300	150	2N 2222A	1	500	250	225	500	2N 2221A
50*	100/300	150	2N 956	1.5	150	70	—	500	2N 718A
55	60/180	150	BFR 18	0.25	150	60	—	500	
80	40/—	150	2N 720A	5	150	50	—	500	
80	100/300	150	2N 3700	0.5	500	100 typ.	—	500	2N 3302