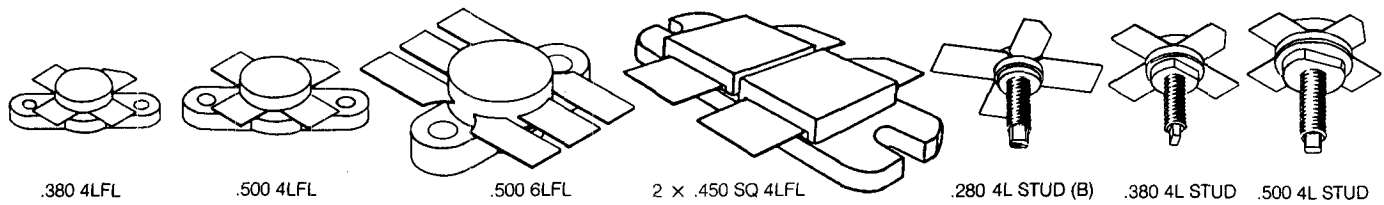


RF & MICROWAVE TRANSISTORS

55 ... 108 MHz CLASS C FOR FM TRANSMITTERS

Type	Package	Config.	V _{CC} (V)	P _{out} (W)	f _o (MHz)	P _{in} (W)	G _p (dB)	η _c (%)
SD 1476* (1)	.2 x .450 SQ 4LFL	CE	28	240	55-88	20	11	50
SD 1457	.500 4LFL	CE	28	75	108	7.5	10	75
SD 1460	.500 4LFL	CE	28	160	108	20	9	75
SD 1483 (1)	.2 x .450 SQ 4LFL	CE	28	250	108	25	10	55

* Class AB, I_{CQ} = 2 x 400 mA. (1) Internal input matched.

108 ... 152 MHz CLASS C FOR AIRCRAFT COMMUNICATIONS

Type	Package	Config.	V _{CC} (V)	P _{out min} (W)	f _o (MHz)	P _{in} (W)	G _{p min} (dB)
SD 1478	.380 4L STUD	CE	6.5	3.2	136	0.2	8.1
SD 1479	.380 4L STUD	CE	6.5	5	136	1	7
SD 1430	.380 4L STUD	CE	6.5	10	136	2	7
SD 1220-1	.380 4L FL	CE	28	7	136	1	8.4
SD 1013	.380 4L STUD	CE	28	10	150	1	10
SD 1013-3	.380 4L FL	CE	28	10	150	1	10
SD 1222-6	.380 4L STUD	CE	28	15	136	2.3	11
SD 1222-5	.380 4L FL	CE	28	20	136	3	8.2
SD 1015	.380 4L STUD	CE	28	30	150	3	10
SD 1224-2	.380 4L FL	CE	28	40	175	7	7.6
SD 1219-5	.380 4L STUD	CE	28	50	136	5	10
SD 1219	.380 4L STUD	CE	28	60	150	12	7
SD 1019	.500 4L STUD	CE	28	80	136	10	9
SD 1438-2	.380 4L FL	CE	28	100	136	16	7
SD 1480*	.500 6L FL	CE	28	125	136-175	12	9.2

* Internally input matched.

2 ... 400 MHz MOS FIELD EFFECT, N CHANNEL BROADBAND LARGE SIGNAL APPLICATIONS

Type	Package	Config.	V _{DD} (V)	I _{DQ} (mA)	P _{out} (W)	f _o (MHz)	P _{in} (W)	G _p (dB)
SD 1900	.380 4LFL	CS	28	50	5	400	0.25	13
SD 1900-1	.280 4L STUD (B)	CS	28	50	5	400	0.25	13
SD 1902	.380 4LFL	CS	28	50	15	400	1.5	10
SD 1902-1	.280 4L STUD (B)	CS	28	50	15	400	1.5	10
SD 1904	.380 4LFL	CS	28	50	30	400	3.75	9
SD 1904-1	.280 4L STUD (B)	CS	28	50	30	400	3.75	9
SD 1905	.380 4LFL	CS	28	50	45	225	2.25	13
SD 1906-1	.500 4LFL	CS	28	300	60	225	3.0	13
SD 1907	.500 4LFL	CS	28	50	80	225	8.0	10
SD 1908-1	.500 4LFL	CS	28	500	120	225	12.0	10
SD 1912	.500 4LFL	CS	28	250	150	225	37.5	6
SD 1920	.500 4LFL	CS	50	250	150	225	18.75	9