

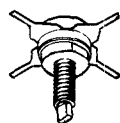
RF & MICROWAVE TRANSISTORS



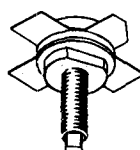
TO-39



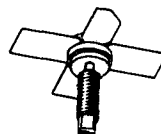
TO-60



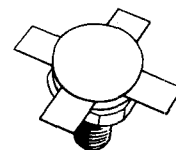
.380 NARROW 4L STUD



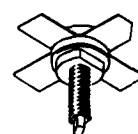
.500 4L STUD



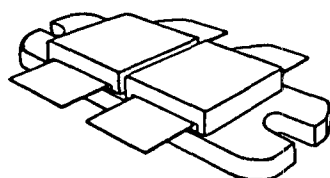
.280 4L STUD (B)



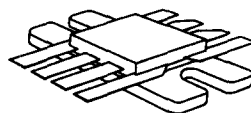
.550 4L STUD



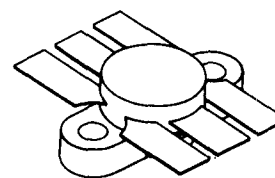
.380 4L STUD



2 x .450 SQ 4LFL



400 BAL FL



.500 6LFL

WIDEBAND VHF - UHF CLASS C FOR ECM AND RADIO LINKS APPLICATIONS

Type		Package	Config.	V _{CC} (V)	P _{out} min (W)	Frequency range (MHz)	P _{in} (W)	G _p min (dB)	η_c min (%)	C _{22b} max (pF)	R _{th} (j-c) (°C/W)
P/N	SD #										
2N 3866	SD 1037-1	TO-39	CE	28	1	400	0.1	10	—	—	—
2N 5090	SD 1037-4	TO-60	CE	28	1.2	400	0.2	7.8	45	3.5	35
2N 5635	SD 1240	.380 NARROW 4L STUD	CE	28	2.5	400	0.6	6.2	50	10	23.3
2N 3375	SD 1050	TO-60	CE	28	3	400	1	4.7	—	10	15
2N 4440	SD 1060	TO-60	CE	28	5	400	1.7	4.7	45	10	15.1
2N 5636	SD 1242	.380 NARROW 4L STUD	CE	28	7.5	400	2	5.7	50	20	11.7
SD 1475		.280 4L STUD (B)	CE	28	10	400	0.9	10.5	50	15	6.4
2N 3733	SD 1075	TO-60	CE	28	10	400	4	4	—	20	7.6
2N 5016	SD 1090	TO-60	CE	28	15	400	4	5.7	50	25	5.8
2N 5637	SD 1244-7	.380 4L STUD	CE	28	20	400	6.9	4.6	60	30	5.8
SD 1462*		.500 6LFL	CE	28	70	225 - 400	8.8	9.0	—	70	0.8
SD 1468*		.500 6LFL	CE	28	70	225 - 400	10	8.4	60 §	75	1.25
SD 1470*		.500 6LFL	CE	28	100	225 - 400	18	7	—	—	0.7
TCC 0105-100*	SD 1464	.400 BAL FL	CE	28	100	100 - 500	17.8	7.5	—	—	0.67
TCC 0204-125*	SD 1463	.400 BAL FL	CE	28	125	225 - 400	25	7	—	—	0.65

* Internally input matched.
§ : Typical value.

SD # is the code used in our invoicing system.

LINEAR TRANSISTORS FOR TV APPLICATIONS, BAND III

Type		Package	Config.	BIAS V ₁ /I ₁ (V) (mA)	P _{out} min (W)	f _o (MHz)	P _{in} (W)	G _p min (dB)	IMD (3 tones) (dB)	C _{22b} max (pF)	R _{th} (j-c) (°C/W)
P/N	SD #										
SD 1455		.500 4L STUD	CE	28/2500	14	225	1.75	9	—55	80	1.5
SD 1458*		.500 6LFL	CE	28/2500	14	225	0.6	14	—53	80	1.5
SD 1459		.550 4L STUD	CE	28/3500	30	225	5.3	7.5	—53	150	1.2
TCC 3100*	SD 1456	.400 BAL FL	CE	28/2 × 100	100	225	10	11		80	1.2
SD 1485**		2 x .450 SQ 4LFL	CE	28/2 × 250	200	230	25	11			0.7

* Internally input matched.
** Class AB.

SD # is the code used in our invoicing system.