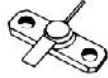
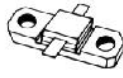


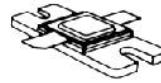
SELECTION GUIDE



.230 2LFL
(M151)



.250 SQ 2LFL
(M161)



.400 SQ 2LFL HERM
(M138)



.500 COAX
(M144)

2 ... 4 GHz MICROWAVE TRANSISTORS FOR CLASS A OPERATION

Type		Package	Config.	BIAS V ₁ /I ₁ (V) (mA)	P _{out} (W)	f _o (GHz)	P _{in} (mW)	G _p min (dB)	R _{th(j-c)} (°C/W)
P/N	SD #								
TCC 2100	SD 1851-4	.230 2LFL	CE	20/70	0.316	1	28	10.5	35
TCC 20 L08	SD 1851	.230 2LFL	CE	20/120	0.8	2	125	8	30
TCC 20 L 15	SD 1853	.230 2LFL	CE	20/220	1.5	2	300	7	17
TCC 20 L 25	SD 1855	.230 2LFL	CE	20/440	2.5	2	625	6	8.5
SD 1850		.230 2LFL*	CE	15/80	0.2	2.3	16	11	45

SD # is the code used in our ordering and invoicing system.

0.7 ... 2.5 GHz MICROWAVE TRANSISTORS FOR OSCILLATORS

Type	Package	Config.	V _{CC} (V)	P _{out} (W)	Frequency range (GHz)	η _c (%)	I _C (mA)	R _{th(j-c)} (°C/W)
SD 1845	.230 2LFL	CC	20	0.5	2.3	25	90	45
SD 1847	.230 2LFL	CC	24	1.5	2.3	30	250	17
SD 1837	.230 2LFL	CC	20	2	2.3	25	400	—
SD 1838	.230 2LFL	CC	20	3	2.3	30	500	—
SD 1840	.500 COAX	CE	20	1	2	28	—	25
SD 1842	.500 COAX	CE	21	1.2	2.3	—	—	—

1.60 ... 1.70 GHz POWER TRANSISTORS FOR MARISAT

Type	Package	Config.	V _{CC} (V)	P _{out} (W)	Frequen. range (GHz)	P _{in} (W)	G _p min (dB)	η _c min (%)	Θ _{j-c} (°C/W)
SD 1891*	.230 2LFLH	CB	28	3	1.60-1.70**	.25	10.8	40	20
SD 1893*	.230 2LFLH	CB	28	10	1.60-1.70**	.80	11.0	40	5.5
SD 1895	.250 SQ 2LNH	CB	28	15	1.60-1.70**	1.8	9.2	45	4.7
SD 1886	.250 SQ 2LNH	CB	28	20	1.60-1.70**	2.5	9.0	45	4.0
SD 1888*	.400 SQ 2LFLH	CB	28	30	1.60-1.70**	4.0	8.7	40	3.0

* Non hermetic versions of above standard products are under development ** Test frequency – 1.65 GHz