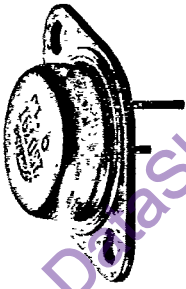


9097250 TOSHIBA (DISCRETE/OPTO)

67C 08900

D T-33-01

TO-3

* MAX. Δt_r

Type No.		I _C	V _{CEO} *V _{CBO} (V)		P _C T _C =25°C (W)	hFE		V _{CE(sat)} MAX.		f _T TYP.		Cob TYP. f=1MHz (pF)		SW Time TYP.	
NPN	PNP	(A)	(V)	(V)	(W)	V _{CE} (V)	I _C (A)	V _{CE(sat)} (V)	I _C (A)	(MHz)	V _{CE} (V)	(pF)	(μs)	t _{on} (μs)	t _{stg} (μs)
2SC1195		1.5	200	5	100	5	1	1	0.1	—	—	—	—	—	—
	2SA739	3	400	5	50	5	0.5	0.5	0.2	—	—	100	2.0	1.0	1.0
2SD811		6	400	5	50	5	0.6	5	2.5	5	10	75	—	—	0.5
2SC521A	2SA658A	7	50	5	50	5	1	2	5	1	10/5	90/150	4.5/3	0.4	0.4
2SC520A	2SA657A		80	5	50	5	1	2	5	1	10/5	90/150	4.5/3	0.4	0.4
2SC519A	2SA656A		110	5	50	5	1	2	5	1	10/5	90/150	4.5/3	0.4	0.4
2SC1617			*300	5	50	5	1	1.2	5	0.5	10	—	—	—	—
2SD640		10	400	5	100	5	1	1.5	5	1	3	70	1	3	0.6
2SD867			110	5	100	5	1	1.5	5	1	3	200	1.5	4.5	1.2
2N3713	2N3789		60	2	150	2	1	1.0	5/4	0.5/0.4	4	120/300	—	—	—
2N3715	2N3791		60	2	150	2	1	0.8/1.0	5	0.5	4	120/300	—	—	—
2N3714	2N3790	15	80	2	150	2	1	1.0	5/4	0.5/0.4	4	120/300	—	—	—
2N3716	2N3792		80	2	150	2	1	0.8/1.0	5	0.5	4	120/300	—	—	—
2N6249			*200	3	175	3	10	1.5	10	1	2.5	110	*3.5	*1	*1
2N6250			*275	3	175	3	10	1.5	10	1.25	2.5	110	*3.5	*1	*1
2N6251		15	*350	3	175	3	10	1.5	10	1.67	2.5	110	*3.5	*1	*1
2SD878			60	4	115	4	4	1.1	4	0.4	3	150	2.0	3.5	1.0
2N3055			60	4	115	4	4	1.1	4	0.4	2.5	—	—	—	—
2SD424	2SB554		180	5	150	5	2	3.0	10	1	5	300/450	—	—	—
2SD552	2SB552	15	180	5	150	5	5	2.0	10	1	4	160	1	3.5	0.5
2SD641			400	5	150	5	5	1.5	10	2	4	150	0.8	3.5	0.6

(18) TO-3 CAN PACKAGE SERIES

Application

Power Amp.
DC-DC Converter
Series Reg.