

No.751C

2SD1111

NPN Epitaxial Planar Silicon Darlington Transistor

Driver Applications

Applications

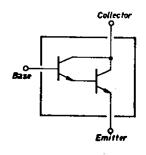
. Motor drivers, printer hammer drivers, relay drivers, voltage regulator control

Features

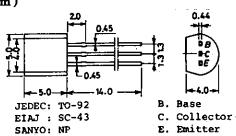
- . High DC current gain (5000 or greater).
- . Large current capacity and wide ASO.
- . Low saturation voltage (V_{CE(sat)}=0.8V typ).

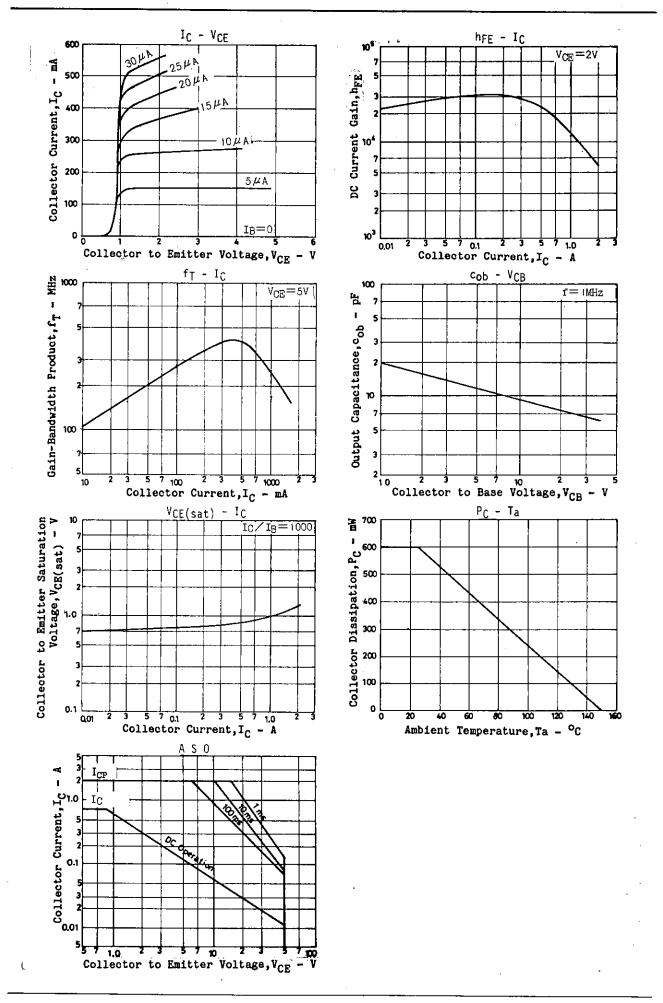
Absolute Maximum Ratings at Ta=25°C Collector to Base Voltage VCBO Collector to Emitter Voltage VCEO Emitter to Base Voltage VEBO Collector Current IC Collector Current(Pulse) ICP Collector Dissipation PC Junction Temperature Tj Storage Temperature Tstg	-55 t	5 1 0. 60 15	0 0 0 7 2 0	v V V V A A MW OC
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	min 5000 4000	typ 200	max 0.1 0.1	unit μΑ μΑ ΜΗz
Output Capacitance cob $V_{CB}=10V$, $f=1MHz$ C-E Saturation Voltage $V_{CE}(sat)$ $I_{C}=100mA$, $I_{B}=0.1mA$ $I_{C}=100mA$, $I_{C}=100mA$	80 50 10	10 0.8 1.3	1.2	PF V V V V

Electrical Connection



Package Dimensions 2003A (unit: mm)





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