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捷多邦,专业PCB打样工厂,24小时加急出货

Ordering number:EN2353

NPN Epitaxial Planar Silicon Darlington Transistor

2SD1854



Driver Applications

Applications

· Motor drivers, hammer drivers, relay drivers.

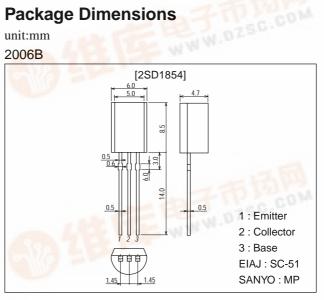
Features

- · High DC current gain.
- · Darlington connection.

Package Dimensions

unit:mm

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Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	V _{CBO}		80	V
Collector-to-Emitter Voltage	VCEO		60	V
Emitter-to-Base Voltage	VEBO		6	V
Collector Current	IC		1.5	A
Collector Current (Pulse)	I _{CP}	100	3	A
Collector Dissipation	PC		1	W
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta = 25°C

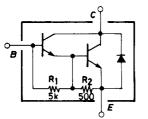
Parameter	Symbol	Conditions	Ratings			Unit
Falanelei			min	typ	max	
Collector Cutoff Current	ICBO	V _{CB} =60V, I _E =0			10	μΑ
Emitter Cutoff Current	IEBO	V _{EB} =5V, I _C =0			2.5	mA
DC Current Gain	h _{FE} 1	V _{CE} =2V, I _C =0.5A	1000	1 -5		100
	h _{FE} 2	V _{CE} =2V, I _C =1A	2000	- 11	1	1014
Collector-to-Emitter Saturation Voltage	V _{CE(sat)}	I _C =1A, I _B =2mA	22	07	1.5	V
Base-to-Emitter Saturation Voltage	VBE(sat)	I _C =1A, I _B =2mA	W W.		2.0	V
Collector-to-Base Breakdown Voltage	V(BR)CBO	I _C =1mA	80			V
Collector-to-Emitter Breakdown Voltage	V(BR)CEO	I _C =25mA	60			V

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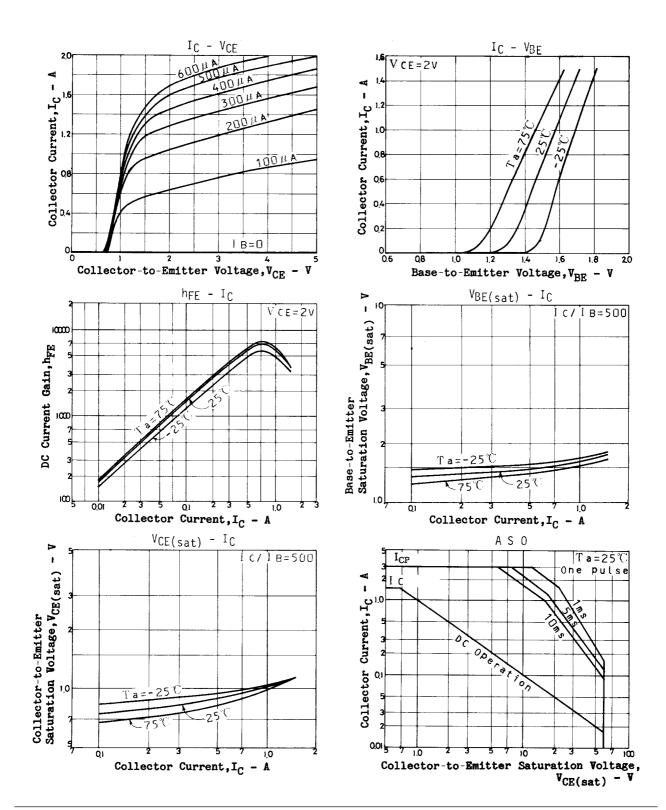
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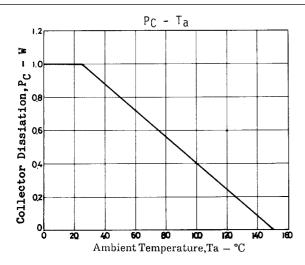
Electrical Connection



Unit (resistance : Ω)



2SD1854



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