

捷多邦,专业PCB打样工厂,24小时加急出货

NPN Triple Diffused Planar Silicon Transistor



Applications

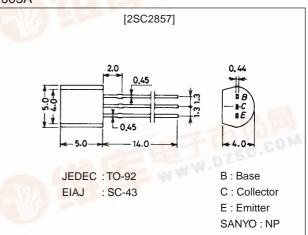
· Color TV vertical driver, sound driver applications.

Features

- · High breakdown voltage ($V_{CEO} \ge 180V$)
- High collector dissipation ($P_C = 500 \text{mW}$)

Package Dimensions





Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	VCBO		180	V
Collector-to-Emitter Voltage	VCEO		180	V
Emitter-to-Base Voltage	VEBO		5	V
Collector Current	IC		50	mA
Collector Current (Pulse)	ICP	a sale for the	100	mA
Collector Dissipation	PC		500	mW
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		–55 to +150	°C

Electrical Characteristics at Ta = 25°C

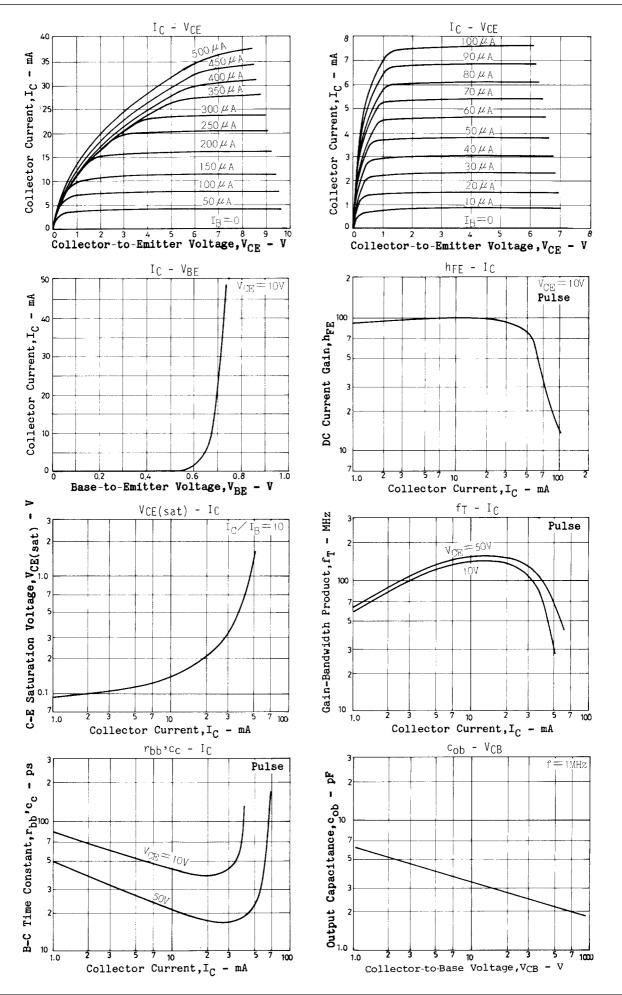
Symbol	Conditions	Ratings			Unit
		min	typ	max	Unit
ICBO	V _{CB} =180V, I _E =0			1.0	μA
IEBO	V _{EB} =5V, I _C =0			1.0	μA
hFE	V _{CE} =10V, I _C =10mA	40*	-	320*	3.3.5
fT	V _{CE} =30V, I _C =10mA	50	-51	1 2 2 2	MHz
Cob	V _{CB} =10V, f=1MHz			4.0	pF
V _{CE(sat)}	I _C =20mA, I _B =2mA	as W	41.0.1	0.6	V
VBE(sat)	I _C =20mA, I _B =2mA			1.0	V
-	I _{CBO} I _{EBO} hFE f _T C _{ob} V _{CE(sat)}	ICBO VCB=180V, IE=0 IEBO VEB=5V, IC=0 hFE VCE=10V, IC=10mA fT VCE=30V, IC=10mA Cob VCB=10V, f=1MHz VCE(sat) IC=20mA, IB=2mA	ICBO VCB=180V, IE=0 min IEBO VEB=5V, IC=0 hFE VCE=10V, IC=10mA 40* fT VCE=30V, IC=10mA 50 Cob VCB=10V, f=1MHz VCE(sat) IC=20mA, IB=2mA	ICBO VCB=180V, IE=0 min typ ICBO VCB=180V, IE=0 IEBO VEB=5V, IC=0 hFE VCE=10V, IC=10mA 40* fT VCE=30V, IC=10mA 50 Cob VCB=10V, f=1MHz VCE(sat) IC=20mA, IB=2mA	ICBO VCB=180V, IE=0 min typ max ICBO VCB=180V, IE=0 1.0 1.0 IEBO VEB=5V, IC=0 1.0 1.0 hFE VCE=10V, IC=10mA 40* 320* fT VCE=30V, IC=10mA 50 4.0 Cob VCB=10V, f=1MHz 4.0 4.0 VCE(sat) IC=20mA, IB=2mA 0.6 0.6

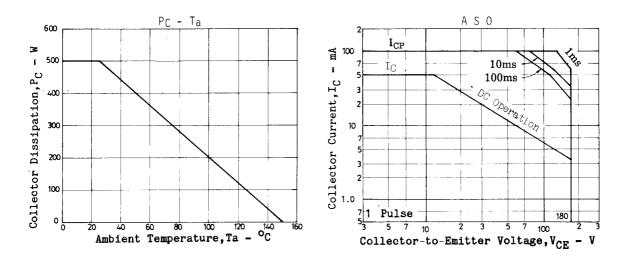
* : The 2SC2857 are classified by 10mA h_{FE} as follows : 40 C 80 60 D 120 100 E 200 160 F 3

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