

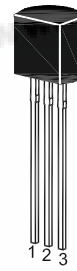
ST 8550 (2A)

查询"8550-2A"供应商

PNP Silicon Epitaxial Planar Transistor

for switching and amplifier applications. Especially suitable for AF-driver stages and low power output stages.

The transistor is subdivided into two groups C and D according to its DC current gain.



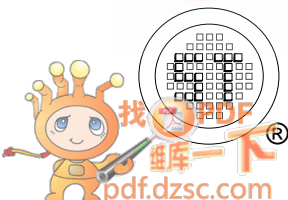
1. Emitter 2. Base 3. Collector
TO-92 Plastic Package
Weight approx. 0.19g

Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Collector Base Voltage	-V _{CBO}	40	V
Collector Emitter Voltage	-V _{CEO}	25	V
Emitter Base Voltage	-V _{EBO}	6	V
Collector Current	-I _C	2	A
Base Current	-I _B	100	mA
Power Dissipation	P _{tot}	1	W
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _s	- 55 to + 150	°C

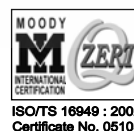
Characteristics at T_a = 25 °C

Parameter	Symbol	Min.	Typ.	Max.	Unit
DC Current Gain at -V _{CE} = 1 V, -I _C = 5 mA at -V _{CE} = 1 V, -I _C = 100 mA at -V _{CE} = 1 V, -I _C = 1.5 A	8550C h _{FE}	45	-	-	-
	8550D h _{FE}	120	-	200	-
	h _{FE}	160	-	300	-
	h _{FE}	40	-	-	-
Collector Base Cutoff Current at -V _{CB} = 35 V	-I _{CBO}	-	-	100	nA
Emitter Base Cutoff Current at -V _{EB} = 6 V	-I _{EBO}	-	-	100	nA
Collector Base Breakdown Voltage at -I _C = 100 μA	-V _{(BR)CBO}	40	-	-	V
Collector Emitter Breakdown Voltage at -I _C = 2 mA	-V _{(BR)CEO}	25	-	-	V
Emitter Base Breakdown Voltage at -I _E = 100 μA	-V _{(BR)EBO}	6	-	-	V
Collector Emitter Saturation Voltage at -I _C = 1.5 A, -I _B = 100 mA	-V _{CE(sat)}	-	-	0.5	V
Base Emitter Saturation Voltage at -I _C = 1.5 A, -I _B = 100 mA	-V _{BE(sat)}	-	-	1.2	V
Base Emitter On Voltage at -I _C = 10 mA, -V _{CE} = 1 V	-V _{BE(on)}	-	-	1	V
Gain Bandwidth Product at -V _{CE} = 10 V, -I _C = 50 mA	f _T	120	-	-	MHz
Collector Base Capacitance at -V _{CB} = 10 V, f = 1 MHz	C _{OB}	-	15	-	pF



SEMTECH ELECTRONICS LTD.

(Subsidiary of Sino-Tech International Holdings Limited, a company listed on the Hong Kong Stock Exchange, Stock Code: 724)



ISO/TS 16949 : 2002
Certificate No. 05103

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ISO 9001:2000
Certificate No. 0506098

Dated : 14/08/2008