

isc Silicon PNP Power Transistor

2SB855

DESCRIPTION

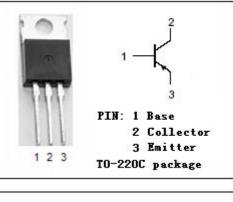
- Collector Current: I_C= -2A
- Low Collector Saturation Voltage
- : V_{CE(sat)}= -1.2V(Max)@I_C= -2A
- High Collector Power Dissipation
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

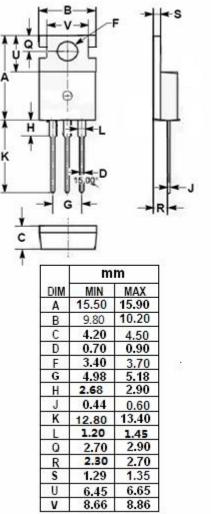
APPLICATIONS

• Designed for low frequency power amplifier applications.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	-50	v
V _{CEO}	Collector-Emitter Voltage	-50	V
V _{EBO}	Emitter-Base Voltage	-4	V
lc	Collector Current-Continuous	-2	A
Pc	Total Power Dissipation @ T _c =25 $^{\circ}$ C	20	W
TJ	Junction Temperature	150	°C
T _{stg}	Storage Temperature Range	-45~150	°C





isc website: www.iscsemi.com



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ELECTRICAL CHARACTERISTICS

$T_c=25^{\circ}C$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	МАХ	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I_{C} = -30mA ; R_{BE} = ∞	-50			V
V _{(BR)CBO}	Collector-Base Breakdown Voltage	I _C = -5mA ; I _E = 0	-50			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = -5mA; I _C = 0	-4			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -2A; I _B = -0.2A			-1.2	V
V _{BE} (on)	Base-Emitter On Voltage	I _C = -1A; V _{CE} = -4V			-1.5	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -20V; I _E = 0			-100	μA
h _{FE-1}	DC Current Gain	I _C = -1A; V _{CE} = -4V	35		200	
h _{FE-2}	DC Current Gain	I _C = -0.1A; V _{CE} = -4V	35			
fT	Current-Gain—Bandwidth Product	Ic= -0.5A; V _{CE} = -4V		35		MHz

h_{FE-1} Classifications

А	В	С
35-70	60-120	100-200

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