

isc Silicon PNP Darlington Power Transistor

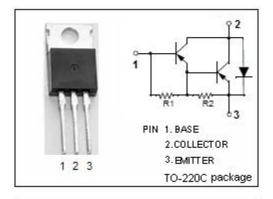
2SB1087

DESCRIPTION

- · Collector-Emitter Breakdown Voltage-
 - : V_{(BR)CEO}= -100V(Min)
- · High DC Current Gain-
- : h_{FE} = 2000(Min)@ (V_{CE} = -2V, I_{C} = -2A)
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

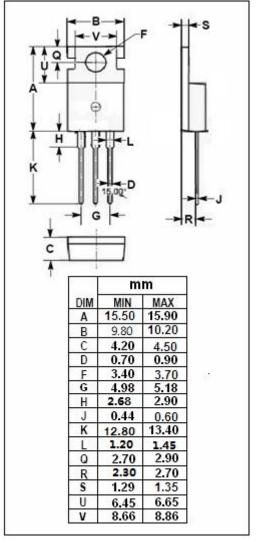
APPLICATIONS

 Designed for low frequency power amplifiers and low speed switching applications.



ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT	
V _{CBO}	Collector-Base Voltage	-100	V	
V _{CEO}	Collector-Emitter Voltage	-100	V	
V _{EBO}	Emitter-Base Voltage	-7	V	
Ic	Collector Current-Continuous	-5	А	
Ісм	Collector Current-Peak	-10	А	
I _B	Base Current-Continuous	-0.5	А	
Pc	Collector Power Dissipation @T _a =25°C	2	W	
	Collector Power Dissipation @T _C =25℃	30		
TJ	Junction Temperature 150		$^{\circ}$	
T _{stg}	Storage Temperature -55~		$^{\circ}$ C	





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ELECTRICAL CHARACTERISTICS

Tj=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	МАХ	UNIT
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -2A; I _B = -2mA			-1.5	V
V _{BE} (sat)	Base-Emitter Saturation Voltage	I _C = -2A; I _B = -2mA			-2.0	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -100V ; I _E = 0			-1.0	μ А
ІЕВО	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-3	mA
h _{FE-1}	DC Current Gain	I _C = -2A; V _{CE} = -2V	2000		20000	
h _{FE-2}	DC Current Gain	I _C = -4A; V _{CE} = -2V	500			

♦ h_{FE-1} Classifications

M	DL	К
2000-5000	4000-10000	8000-20000

NOTICE:

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