

isc Silicon NPN Power Transistor

DESCRIPTION

- · Collector-Emitter Breakdown Voltage-
 - : V_{(BR)CEO}= 200V(Min)
- · Low Collector-Emitter Saturation Voltage-
 - : V_{CE(sat)}= 1.0V(Max) @I_C= 0.5A
- · High speed switching
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

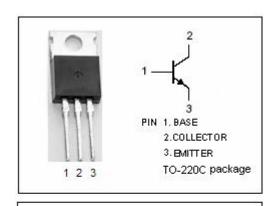


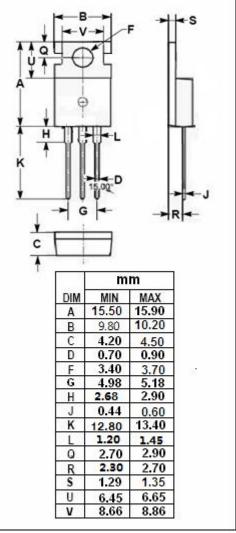
APPLICATIONS

Designed for use in audio frequency power amplifier applications

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	330	V
V _{CEO}	Collector-Emitter Voltage	200	V
V _{ЕВО}	Emitter-Base Voltage	6	V
Ic	Collector Current-Continuous	7	Α
I _{CP}	Collector Current-Peak	10	Α
Pc	Collector Power Dissipation @ T _c =25 °C	40	W
TJ	Junction Temperature	150	°C
T _{stg}	Storage Temperature Range	-55~150	°C







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2SD884

ELECTRICAL CHARACTERISTICS

Tc=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = 5A; I _B =0.5A			1.0	V
V _{BE} (sat)	Base-Emitter Saturation Voltage	I _C = 5A; I _B =0.5A			1.2	٧
I _{CBO}	Collector Cutoff Current	V _{CB} = 330V ; I _E = 0			100	μА
I _{EBO}	Emitter Cutoff Current	V _{EB} = 6V ; I _C = 0			1	mA
h _{FE}	DC Current Gain	I _C = 5A ; V _{CE} = 4V	10		45	
t _f	Fall Time	I_C = 5A , I_{B1} = I_{B2} = 800mA R_B =0.5 Ω ,- V_{EB} =5V			0.75	μS



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