

isc Silicon NPN Power Transistor

2SD581

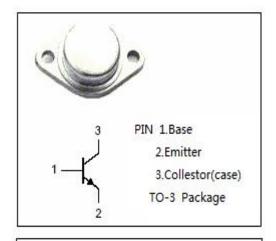
DESCRIPTION

- · Collector-Emitter Breakdown Voltage-
 - : V_{(BR)CEO}= 100V(Min.)
- · Collector-Emitter Saturation Voltage-
 - : V_{CE(sat)}= 1.5V(Max.)@ I_C= 5A
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

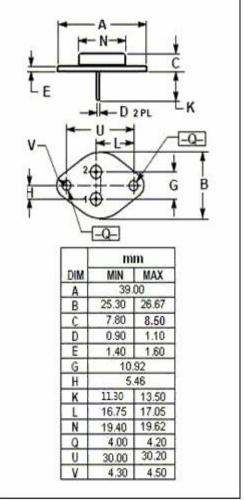


 Designed for 40~60W audio amplifier power output applications.



ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	MAX	UNIT	
V _{CBO}	Collector-Base Voltage	150	V	
V _{CEO}	Collector-Emitter Voltage	100	V	
V _{EBO}	Emitter-Base Voltage	6	V	
lc	Collector Current-Continuous	7	Α	
Ісм	Collector Current-Peak	12	Α	
I _B	Base Current-Continuous 2		Α	
P _C	Collector Power Dissipation @T _C =25°C		W	
T _j	Junction Temperature	150	$^{\circ}$ C	
T _{stg}	Storage Temperature Range	$^{\circ}$		





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ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _(BR) CEO	Collector-Emitter Breakdown Voltage	I _C = 10mA; R _{BE} = ∞	100			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = 1mA; I _C = 0	6			V
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = 5A; I _B = 0.5A			1.5	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = 1A; V _{CE} = 5V			1.5	V
Ісво	Collector Cutoff Current	V _{CB} = 120V; I _E = 0			10	μА
h _{FE-1}	DC Current Gain	I _C = 1A; V _{CE} = 5V	60	120	200	
h _{FE-2}	DC Current Gain	I _C = 5A; V _{CE} = 5V	25			

♦ h_{FE-1} Classifications

В	С
60-120	100-200

NOTICE:

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