

isc Silicon NPN Power Transistor

2SD718

DESCRIPTION

- · Collector-Emitter Breakdown Voltage-
 - : V_{(BR)CEO}= 120V(Min)
- Good Linearity of hFE
- Complement to Type 2SB688
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

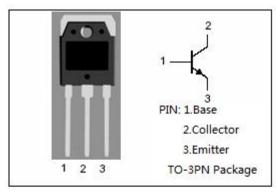
APPLICATIONS

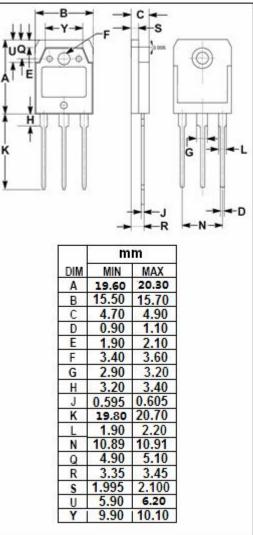


- · Audio frequency power amplifier applications
- Recommend for 45-50W audio frequency amplifier output stage applications

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	120	V
V _{CEO}	Collector-Emitter Voltage	120	V
V _{EBO}	Emitter-Base Voltage	5	V
Ic	Collector Current-Continuous	8	A
I _B	Base Current-Continuous	0.8	А
Pc	Collector Power Dissipation @ T _C =25℃	80	W
TJ	Junction Temperature	150	$^{\circ}$ C
T _{stg}	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 = 50mA ; I _B = 0	120			V
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = 5.0A; I _B = 0.5A			2.5	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = 5A; V _{CE} = 5V			1.5	V
I _{CBO}	Collector Cutoff Current	V _{CB} = 120V ; I _E = 0			10	μА
І _{ЕВО}	Emitter Cutoff Current	V _{EB} = 5V; I _C = 0			10	μА
h _{FE}	DC Current Gain	I _C = 1A; V _{CE} = 5V	55		160	

h_{FE} Classifications

R	0
55-110	80-160

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