

isc Silicon PNP Power Transistor

2SA1104

DESCRIPTION

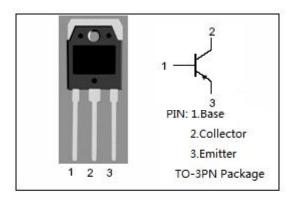
- Collector-Emitter Breakdown Voltage-V_{(BR)CEO}= -120V(Min)
- · Good Linearity of hFE
- · High Power Dissipation
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

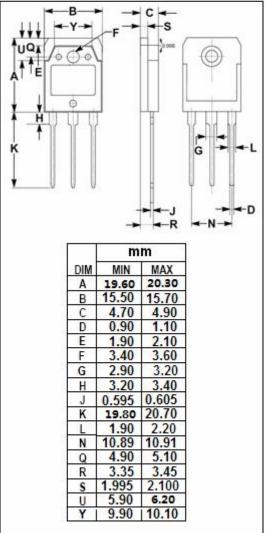
APPLICATIONS

• Designed for audio power amplifier applications

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	-120	V
Vceo	Collector-Emitter Voltage	-120	V
V _{EBO}	Emitter-Base Voltage	-6	V
lc	Collector Current-Continuous	-8	А
lв	Base Current-Continuous	-3	А
Pc	Collector Power Dissipation @ T _C =25℃	80	W
TJ	Junction Temperature	150	$^{\circ}$
T _{stg}	Storage Temperature Range	-55~150	${\mathbb C}$







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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 = -3A; I _B = -0.3A			-1.5	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -120V; I _E = 0			-10	μА
І _{ЕВО}	Emitter Cutoff Current	V _{EB} = -6V; I _C = 0			-10	μА
h _{FE}	DC Current Gain	I _C = -3A; V _{CE} = -4V	50		180	
Сов	Output Capacitance	I _E = 0; V _{CB} = -10V; f= 1.0MHz		300		pF
f _T	Current-Gain—Bandwidth Product	I _E = 0.5A; V _{CE} = -12V		20		MHz

h_{FE} Classifications

0	Р	Y
50-100	70-140	90-180

NOTICE:

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