

isc Silicon PNP Power Transistor

2SA1076

DESCRIPTION

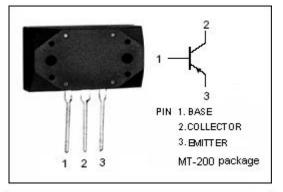
- High Collector-Emitter Breakdown Voltage-V_{(BR)CEO}= -160V(Min)
- Good Linearity of h_{FE}
- Complement to Type 2SC2526
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

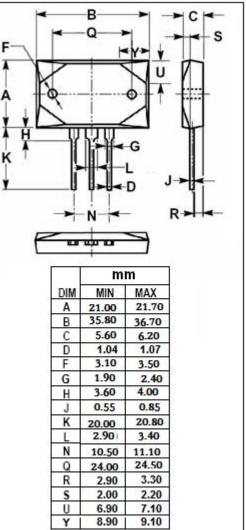
APPLICATIONS

- · Power amplifier applications
- switching regulators
- DC-DC converter applications.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
Vсво	Collector-Base Voltage	-160	V
V _{CEO}	Collector-Emitter Voltage	-160	V
V _{EBO}	Emitter-Base Voltage -7		V
lc	Collector Current-Continuous	-12	A
Pc	Collector Power Dissipation @ $T_c=25^{\circ}C$	120	W
TJ	Junction Temperature	150	°C
T _{stg}	Storage Temperature Range	-65~150	°C





isc website: www.iscsemi.com



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ELECTRICAL CHARACTERISTICS

$T_c=25^{\circ}C$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)EBO}	Emitter –Base Breakdown Voltage	I _C =- 50uA ; I _B = 0	-7			V
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C =- 1mA ; I _B = 0	-160			V
V _{(BR)CBO}	Collector-Base Breakdown Voltage	I _C =- 50uA ; I _B = 0	-160			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -5A; I _B = -0.5A		-0.9	-1.8	V
I _{СВО}	Collector Cutoff Current	V _{CB} = -160V; I _E = 0			-50	μA
Iceo	Collector Cutoff Current	V _{CE} = -160V; R _{EB} =∞			-1	mA
I _{EBO}	Emitter Cutoff Current	V _{EB} = -7V; I _C =0			-50	μA
h _{FE-1}	DC Current Gain	I _C =-1A; V _{CE} = -5V	60		200	
h _{FE-2}	DC Current Gain	I _C = - 7A; V _{CE} = -5V	40			

NOTICE:

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