

isc Silicon PNP Power Transistor

2SA2050

DESCRIPTION

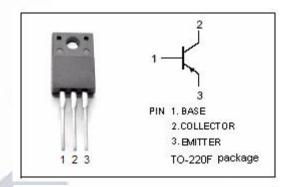
- High DC current amplifier rate h_{FE}:60-240@VCE=-5V,IC=-0.2A
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

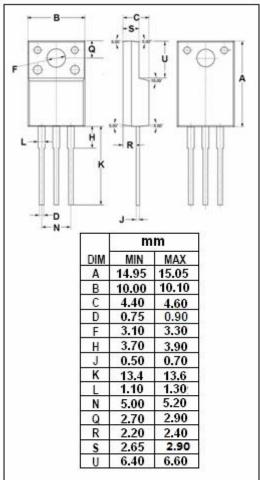


· General Purpose Switching and Amplification

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	-180	V
V _{CEO}	Collector-Emitter Voltage	-160	V
V _{EBO}	Emitter-Base Voltage	-6	V
lc	Collector Current-Continuous	-1.5	Α
Pc	Total Power Dissipation @ Ta=25℃	1.5	W
TJ	Junction Temperature	150	${\mathbb C}$
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$ C





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ELECTRICAL CHARACTERISTICS

 T_{C} =25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -500mA; I _B = -50mA			-1.0	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -60V; I _E = 0			-10	μА
I _{EBO}	Emitter Cutoff Current	V _{EB} =-6V; I _C =0			-10	μА
h _{FE1}	DC Current Gain	I _C = -0.2A; V _{CE} = -5V	60		240	
h _{FE2}	DC Current Gain	I _C = -1.5A; V _{CE} = -5V	50			
fT	Transition frequency	V _{CE} = -10V ,I _C = -0.05A	50			MHz

NOTICE:

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