

isc Silicon PNP Power Transistor
2SA1244
DESCRIPTION

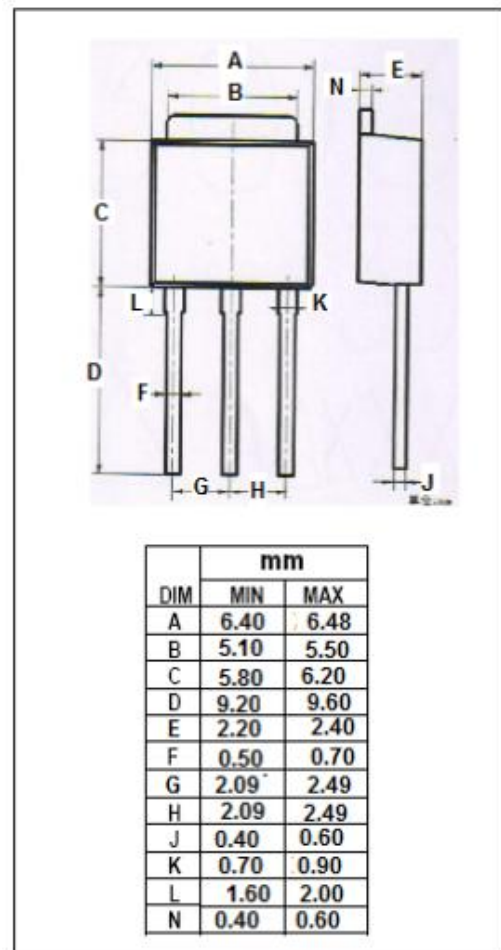
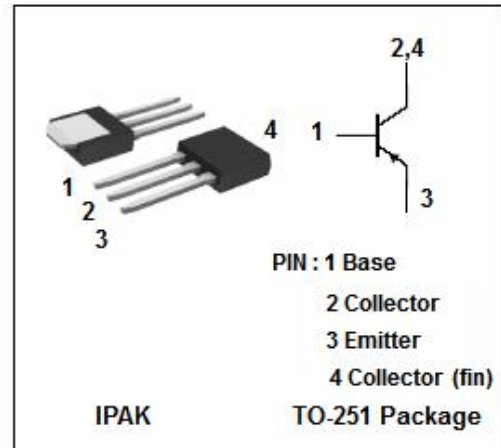
- With TO-251(IPAK) packaging
- High speed switching time
- Low collector saturation voltage
- Complement to type 2SC3074
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Medium power dissipation

ABSOLUTE MAXIMUM RATINGS($T_a=25^\circ\text{C}$)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-60	V
V_{CEO}	Collector-Emitter Voltage	-50	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current-Continuous	-5	A
I_B	Base Current	-1	A
P_C	Collector Power Dissipation @ $T_C=25^\circ\text{C}$	20	W
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{stg}	Storage Temperature Range	-55~150	$^\circ\text{C}$



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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 = -3A; I _B = -0.15A			-0.4	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = -3A; I _B = -0.15A			-1.2	V
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -10mA; I _B = 0	-50			V
I _{CBO}	Collector Cutoff Current	V _{CB} = -50V; I _E = 0			-1.0	μ A
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-1.0	μ A
h _{FE1}	DC Current Gain	I _C = -1A; V _{CE} = -1V	70		240	
h _{FE1}	DC Current Gain	I _C = -3A; V _{CE} = -1V	30			

◆ h_{FE1} Classifications

O	Y
70-140	120-240

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