

isc Silicon PNP Power Transistor
2SA1773
DESCRIPTION

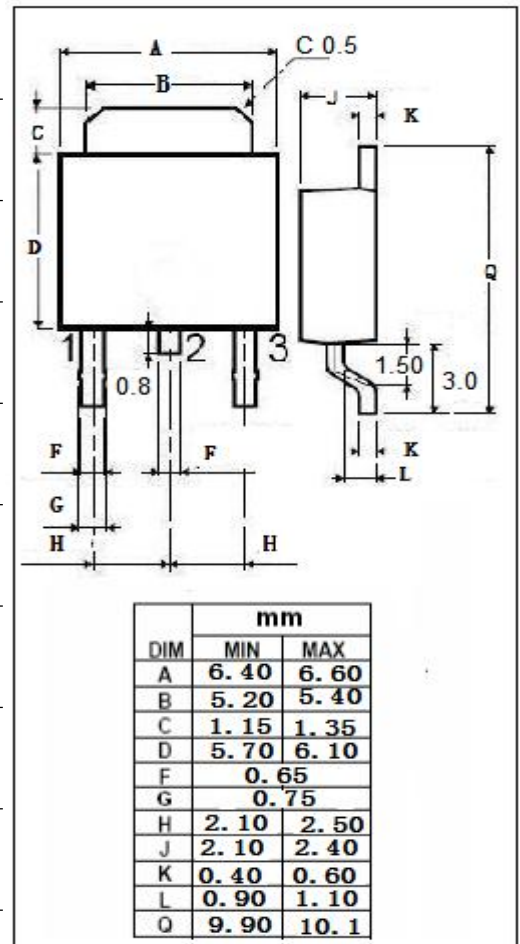
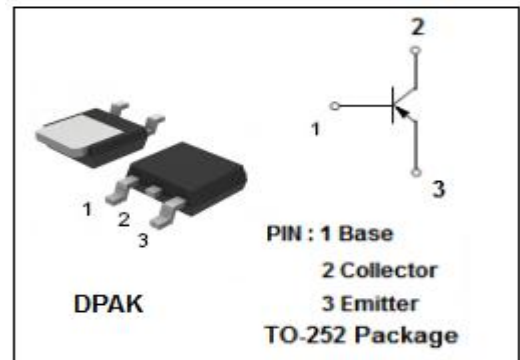
- High breakdown voltage:
 $V_{(BR)CEO} > -400V @ I_C = -1mA$
- Large current capacity
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Designed for high current switching applications.

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

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-400	V
V_{CEO}	Collector-Emitter Voltage	-400	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current-Continuous	-2	A
P_C	Total Power Dissipation @ $T_C = 25^\circ C$	15	W
T_J	Junction Temperature	150	$^\circ C$
T_{stg}	Storage Temperature Range	-55~150	$^\circ C$



isc Silicon PNP Power Transistor**2SA1773****ELECTRICAL CHARACTERISTICS****T_c=25°C unless otherwise specified**

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -1mA ; I _B = 0	-400			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -0.5A; I _B = -0.05A			-1.0	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = -0.5A; I _B = -0.05A			-1.0	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -300V ; I _E = 0			-1	μ A
I _{EBO}	Emitter Cutoff Current	V _{EB} = -4V; I _C = 0			-1	μ A
h _{FE}	DC Current Gain	I _C = -0.1A ; V _{CE} = -10V	40		200	

◆ **h_{FE} Classifications**

C	D	E
40-80	60-120	100-200

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