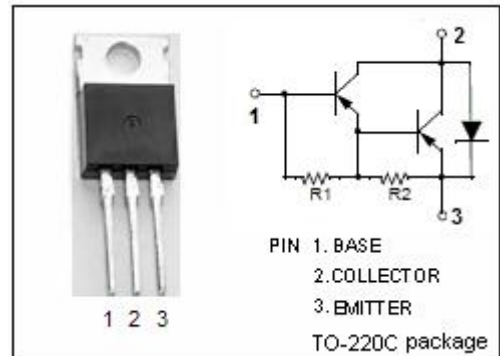


isc Silicon PNP Darlington Power Transistor
2SB673
DESCRIPTION

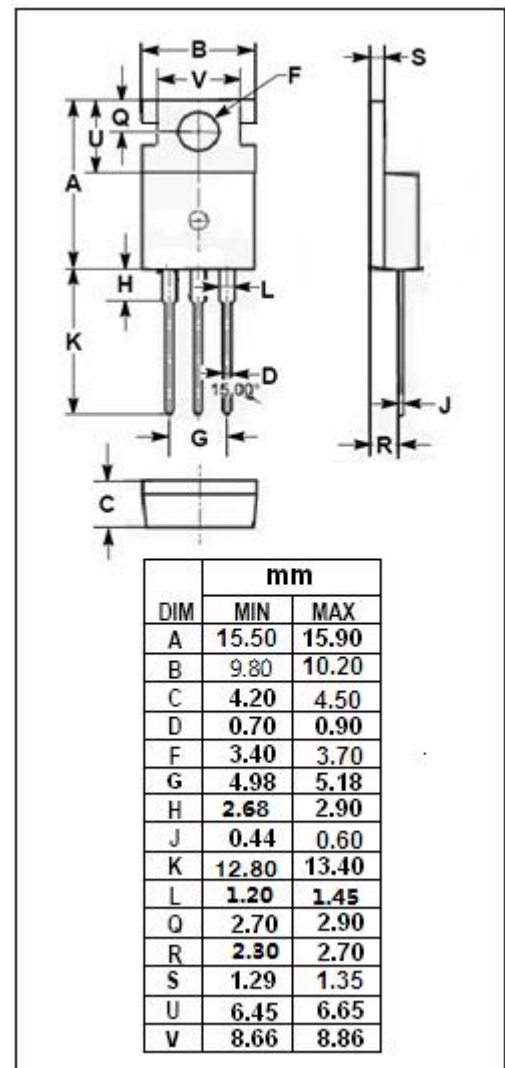
- High DC Current Gain-
: $h_{FE} = 2000(\text{Min}) @ I_C = -3\text{A}$
- Collector-Emitter Breakdown Voltage-
: $V_{(BR)CEO} = -100\text{V}(\text{Min})$
- Low Collector Saturation Voltage-
: $V_{CE(\text{sat})} = -1.5\text{V}(\text{Max}) @ I_C = -3\text{A}$
- Complement to Type 2SD633
- Minimum Lot-to-Lot variations for robust device performance and reliable operation


APPLICATIONS

- High power switching applications.
- Hammer drive, pulse motor drive applications.

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-100	V
V_{CEO}	Collector-Emitter Voltage	-100	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current-Continuous	-7	A
I_B	Base Current-DC	-0.2	A
P_C	Collector Power Dissipation $T_C = 25^\circ\text{C}$	40	W
T_j	Junction Temperature	150	$^\circ\text{C}$
T_{stg}	Storage Temperature Range	-55~150	$^\circ\text{C}$



isc Silicon PNP Darlington Power Transistor**2SB673****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 = -50mA, I _B = 0	-100			V
V _{CE(sat)-1}	Collector-Emitter Saturation Voltage	I _C = -3A, I _B = -6mA			-1.5	V
V _{CE(sat)-2}	Collector-Emitter Saturation Voltage	I _C = -7A, I _B = -14mA			-2.0	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = -3A, I _B = -6mA			-2.5	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -100V, I _E = 0			-100	μ A
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-4	mA
h _{FE-1}	DC Current Gain	I _C = -3A ; V _{CE} = -3V	2000		15000	
h _{FE-2}	DC Current Gain	I _C = -7A ; V _{CE} = -3V	1000			

NOTICE:

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