

isc Silicon PNP Darlington Power Transistor

2SB674

DESCRIPTION

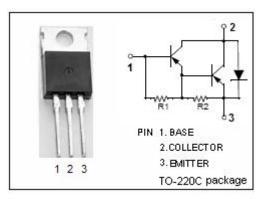
- · High DC Current Gain
- : h_{FE}= 2000(Min.) @I_C= 3.0A
- · Low Saturation Voltage
 - : V_{CE(sat)}= 1.5V(Max.)@ I_C= 3.0A
- · Complement to Type 2SD634
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

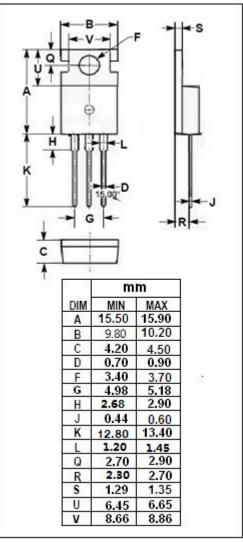
APPLICATIONS

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

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT	
V _{СВО}	Collector-Base Voltage	80	V	
V _{CEO}	Collector-Emitter Voltage	80	٧	
V _{EBO}	Emitter-Base Voltage	5	٧	
lc	Collector Current-Continuous	7	Α	
I _B	Base Current-Continuous	0.2	Α	
Pc	Collector Power Dissipation @ T _C =25°C	40	W	
TJ	Junction Temperature	150	$^{\circ}$	
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$	







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ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = 50mA; I _B = 0	80			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
Ісво	Collector Cutoff Current	V _{CB} = 80V; I _E = 0			100	μ А
I _{EBO}	Emitter Cutoff Current	V _{EB} = 5V; I _C = 0			3.0	mA
h _{FE-1}	DC Current Gain	I _C = 3A; V _{CE} = 3V	2000		15000	
h _{FE-2}	DC Current Gain	Ic= 7A; Vc== 3V	1000			

NOTICE:

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