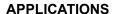


isc Silicon PNP Darlingtion Power Transistor

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DESCRIPTION

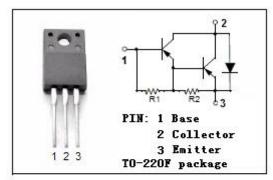
- · High DC Current Gain-
- : h_{FE}= 2000(Min.)@I_C= -1.5A
- · Low Collector Saturation Voltage-
- : $V_{CE(sat)} = -1.5V(Max)@I_{C} = -1.5A$
- · Good Linearity of hFE
- With TO-220F package
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

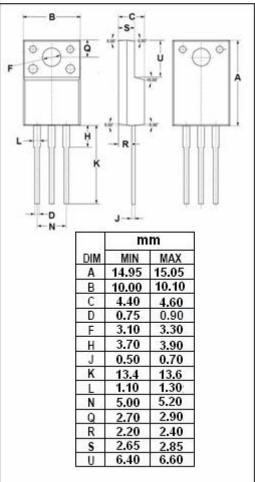


- High current driver applications.
- · Power driver applications.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT	
V _{CBO}	Collector-Base Voltage	-120	V	
V _{CEO}	Collector-Emitter Voltage	-120	V	
V_{EBO}	Emitter-Base Voltage	-6	V	
lc	Collector Current-Continuous	-3	А	
Ісм	Collector Current-Peak	-5	Α	
Pc	Collector Power Dissipation @ Ta=25°C	2	W	
	Collector Power Dissipation @ Tc=25℃	20	V V	
TJ	Junction Temperature	150	$^{\circ}$	
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$ C	







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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 = -5mA; I _B = 0	-120			V
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -1.5A; I _B = -3mA			-1.5	V
V _{BE} (sat)	Base-Emitter Saturation Voltage	I _C = -1.5A; I _B = -3mA			-2.0	V
Ісво	Collector Cutoff Current	V _{CB} = -120V; I _E = 0			-50	μА
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-3.0	mA
h _{FE}	DC Current Gain	Ic= -1.5A; Vc= -3V	2000			

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