

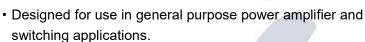
isc Silicon NPN Power Transistor

ISCN366P

DESCRIPTION

- DC Current Gain-
- : h_{FE}= 20-60@I_C = 0.5A
- · Collector-Emitter Sustaining Voltage-
- : V_{CEO(SUS)}= 400V(Min)
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

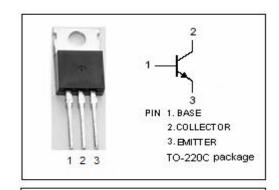


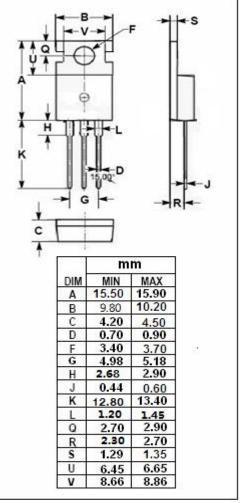
ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	800	V
V _{CEO}	Collector-Emitter Voltage	400	V
V _{EBO}	Emitter-Base Voltage		V
Ic	Collector Current -Continuous	or Current -Continuous 5.0	
Pc	Collector Power Dissipation@ Tc=25℃	80	W
Tj	Junction Temperature	150	$^{\circ}$
T _{stg}	Storage Temperature	-65~150	$^{\circ}$

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance,Junction to Case	1.56	°C/W







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ELECTRICAL CHARACTERISTICS

Tc=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
V _{CEO(SUS)}	Collector-Emitter Sustaining Voltage	I _C = 30mA ;I _B = 0	400		V
VCE(sat)-1	Collector-Emitter Saturation Voltage	I _C = 2A ;I _B = 0.4A		0.5	V
V _{CE(sat)-2}	Collector-Emitter Saturation Voltage	I _C = 4A; I _B = 0.8A		1.0	V
V _{BE(on)-1}	Base-Emitter On Voltage	I _C = 2A ;I _B = 0.4A		1.1	V
V _{BE(on)-2}	Base-Emitter On Voltage	I _C = 4A; I _B = 0.8A		1.3	V
I _{CEO}	Collector Cutoff Current	V _{CE} = 400V; I _B = 0		50	uA
I _{EBO}	Emitter Cutoff Current	V _{EB} = 10V; I _C = 0		1.0	mA
h _{FE}	DC Current Gain	I _C = 0.5A ; V _{CE} = 5V	20	60	

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