

isc Silicon PNP Power Transistor

2SB920

DESCRIPTION

- High Collector Current:I_C= -5A
- · Low Collector Saturation Voltage
 - : $V_{CE(sat)} = -0.5V(Max)@I_C = -3A$
- Complement to Type 2SD1236
- · Minimum Lot-to-Lot variations for robust device performance and reliable operation

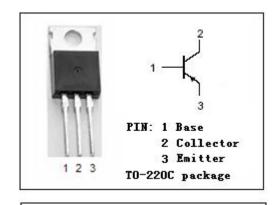


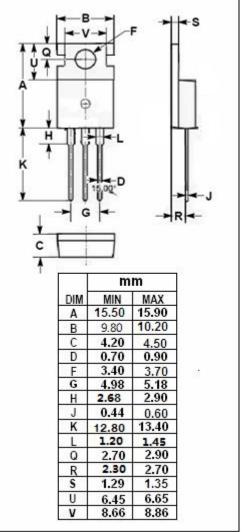
APPLICATIONS

· Designed for general purpose large current switching applications.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	-120	V
V _{CEO}	Collector-Emitter Voltage	-80	V
V _{EBO}	Emitter-Base Voltage	-6	V
lc	Collector Current-Continuous	-5	Α
Ісм	Collector Current-Peak	-9	Α
Pc	Total Power Dissipation @ T _C =25°C	30	W
TJ	Junction Temperature	150	°C
T _{stg}	Storage Temperature Range	-55~150	







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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 = -1mA; R _{BE} = ∞	-80			V
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage	I _C = -1mA; I _E = 0	-120			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = -1mA; I _C = 0	-6			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -3A; I _B = -0.3A			-0.5	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -80V; I _E = 0			-0.1	mA
I _{EBO}	Emitter Cutoff Current	V _{EB} = -4V; I _C = 0			-0.1	mA
h _{FE-1}	DC Current Gain	I _C = -1A; V _{CE} = -2V	70		280	
h _{FE-2}	DC Current Gain	I _C = -3A; V _{CE} = -2V	30			
f⊤	Current-Gain—Bandwidth Product	Ic= -1A; Vc== -5V		20		MHz

h_{FE-1} Classifications

Q	R	S
70-140	100-200	140-280

NOTICE:

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