

isc Silicon PNP Power Transistor
2SA1329
DESCRIPTION

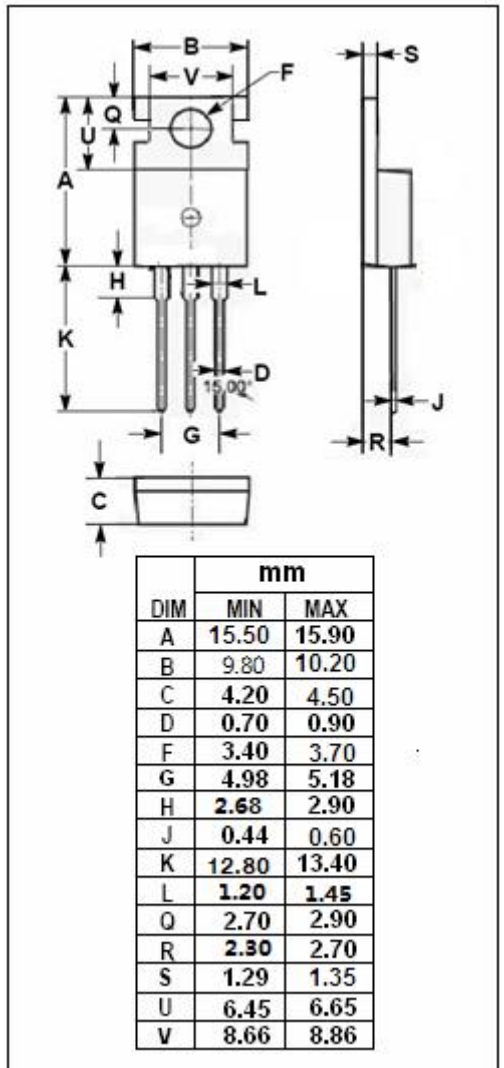
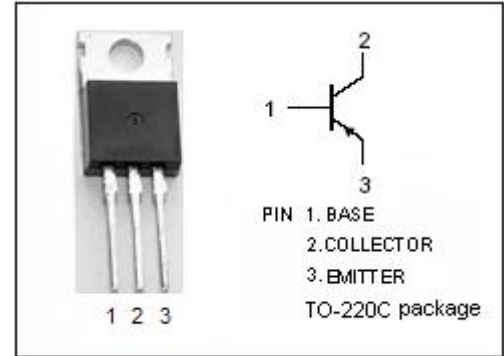
- Low Collector Saturation Voltage
: $V_{CE(sat)} = -0.4(V)(Max) @ I_C = -6A$
- High Switching Speed
- Complement to Type 2SC3346
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Designed for high current switching applications.

ABSOLUTE MAXIMUM RATINGS ($T_a = 25^\circ C$)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-80	V
V_{CEO}	Collector-Emitter Voltage	-80	V
V_{EBO}	Emitter-Base Voltage	-6	V
I_C	Collector Current-Continuous	-12	A
I_B	Base Current-Continuous	-2	A
P_C	Total Power Dissipation @ $T_C = 25^\circ C$	40	W
T_J	Junction Temperature	150	$^\circ C$
T_{stg}	Storage Temperature Range	-55~150	$^\circ C$



isc Silicon PNP Power Transistor**2SA1329****ELECTRICAL CHARACTERISTICS** $T_c=25^{\circ}\text{C}$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage	$I_C = -50\text{mA}$; $I_B = 0$	-80			V
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	$I_C = -6\text{A}$; $I_B = -0.3\text{A}$			-0.4	V
$V_{BE(sat)}$	Base-Emitter Saturation Voltage	$I_C = -6\text{A}$; $I_B = -0.3\text{A}$			-1.2	V
I_{CBO}	Collector Cutoff Current	$V_{CB} = -80\text{V}$; $I_E = 0$			-10	μA
I_{EBO}	Emitter Cutoff Current	$V_{EB} = -6\text{V}$; $I_C = 0$			-10	μA
h_{FE-1}	DC Current Gain	$I_C = -1\text{A}$; $V_{CE} = -1\text{V}$	70		240	
h_{FE-2}	DC Current Gain	$I_C = -6\text{A}$; $V_{CE} = -1\text{V}$	40			

◆ **h_{FE-1} Classifications**

O	Y
70-140	120-240

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