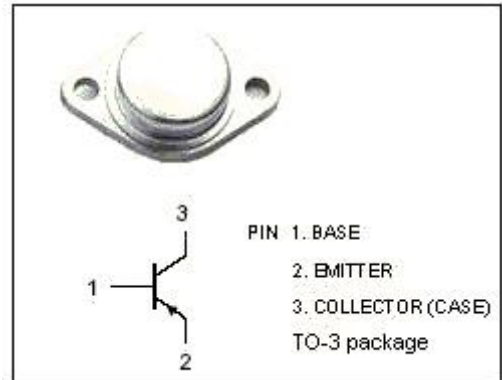


**isc Silicon PNP Power Transistor**
**2N3171H**
**DESCRIPTION**

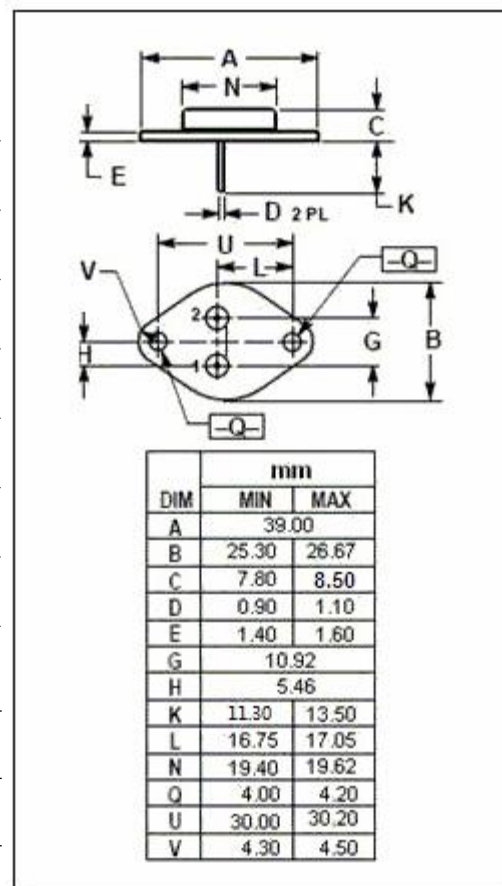
- Excellent Safe Operating Area
- Collector-Emitter Saturation Voltage-  
:  $V_{CE(sat)} = -0.75V(\text{Max}) @ I_C = -1A$
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

**APPLICATIONS**

- Be processed in accordance with the requirements of BS, CECC, and JAN, JANTX and JANTXV and JAN specifications.


**ABSOLUTE MAXIMUM RATINGS( $T_a=25^\circ\text{C}$ )**

SYMBOL	PARAMETER	VALUE	UNIT
$V_{CBO}$	Collector-Base Voltage	-40	V
$V_{CEO}$	Collector-Emitter Voltage	-40	V
$V_{EBO}$	Emitter-Base Voltage	-10	V
$I_C$	Collector Current-Continuous	-3	A
$P_C$	Collector Power Dissipation@ $T_c=25^\circ\text{C}$	75	W
$T_J, T_{stg}$	Operating and Storage Junction Temperature Range	-65~200	$^\circ\text{C}$


**THERMAL CHARACTERISTICS**

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j-c}$	Thermal Resistance, Junction to Case	1.67	$^\circ\text{C/W}$

**isc Silicon PNP Power Transistors****2N3171H****ELECTRICAL CHARACTERISTICS** $T_C=25^{\circ}\text{C}$  unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	$I_C = -1\text{A}; I_B = -0.14\text{A}$		-0.75	V
$V_{BE(sat)}$	Base-Emitter Saturation Voltage	$I_C = -1\text{A}; I_B = -0.14\text{A}$		-1.8	V
$I_{CEO}$	Collector Cutoff Current	$V_{CE} = -40\text{V}; I_B = 0$		-0.1	mA
$I_{EBO}$	Emitter Cutoff Current	$V_{EB} = -10\text{V}; I_C = 0$		-0.1	mA
$h_{FE}$	DC Current Gain	$I_C = -1\text{A}; V_{CE} = -3\text{V}$	12	36	

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