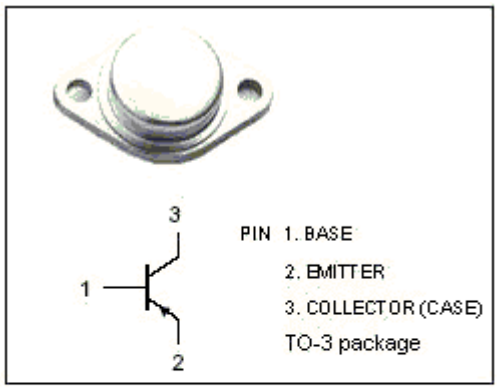
isc Silicon PNP Power Transistors 2N2955HV

DESCRIPTION

- Excellent Safe Operating Area
- DC Current Gain-
  : h_{FE}=20-70@I_C= -4A
- Collector-Emitter Saturation Voltage-
  : $V_{CE(sat)}$= -1.1V(Max)@ I_C= -4A
- Complement to Type 2N3055HV

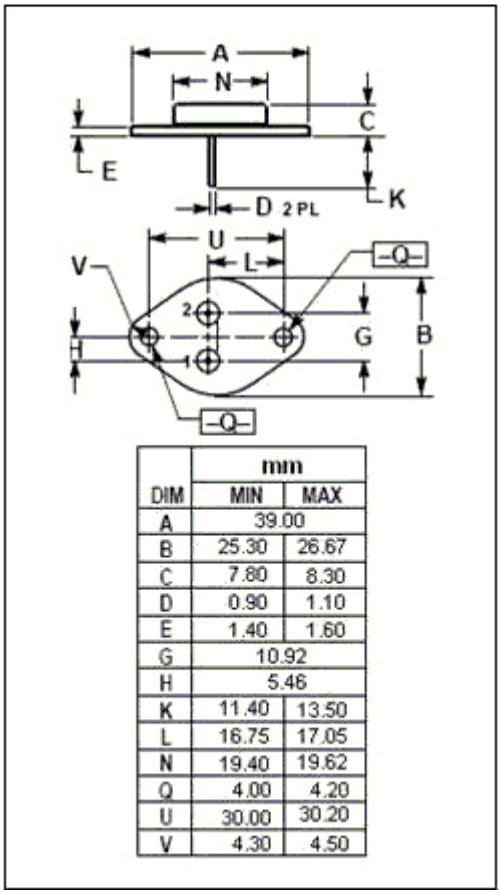


APPLICATIONS

- Designed for general-purpose switching and amplifier applications

ABSOLUTE MAXIMUM RATINGS(T_a=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-100	V
V_{CER}	Collector-Emitter Voltage	-100	V
V_{CEO}	Collector-Emitter Voltage	-100	V
V_{EBO}	Emitter-Base Voltage	-7	V
I_C	Collector Current-Continuous	-15	A
I_B	Base Current	-7	A
P_C	Collector Power Dissipation @T_C=25℃	115	W
T_J	Junction Temperature	200	℃
T_{stg}	Storage Temperature	-65~200	℃



DIM	mm MIN	MAX
A	39.00	
B	25.30	26.67
C	7.80	8.30
D	0.90	1.10
E	1.40	1.60
G	10.92	
H	5.46	
K	11.40	13.50
L	16.75	17.05
N	19.40	19.62
Q	4.00	4.20
U	30.00	30.20
V	4.30	4.50

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j\text{-}c}$	Thermal Resistance,Junction to Case	1.52	℃/W

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ELECTRICAL CHARACTERISTICS

Tj=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
$V_{CEO(SUS)}$	Collector-Emitter Sustaining Voltage	I_C= -200mA ; I_B= 0	-100		V
$V_{CER(SUS)}$	Collector-Emitter Sustaining Voltage	I_C= -200mA ; R_{BE}= 100Ω	-100		V
$V_{CE(sat)-1}$	Collector-Emitter Saturation Voltage	I_C= -4A; I_B= -0.4A		-1.1	V
$V_{CE(sat)-2}$	Collector-Emitter Saturation Voltage	I_C= -10A; I_B= -3.3A		-3.0	V
$V_{BE(on)}$	Base-Emitter On Voltage	I_C= -4A ; V_{CE}= -4V		-1.5	V
I_{CEO}	Collector Cutoff Current	V_{CE}= -30V; I_B= 0		-0.7	mA
I_{CEX}	Collector Cutoff Current	V_{CE}= -100V; $V_{BE(off)}$= -1.5V V_{CE}= -100V; $V_{BE(off)}$= -1.5V,T_C= 150℃		-1.0 -5.0	mA
I_{EBO}	Emitter Cutoff Current	V_{EB}= -7.0V; I_C=0		-5.0	mA
h_{FE-1}	DC Current Gain	I_C= -4A ; V_{CE}= -4V	20	70	
h_{FE-2}	DC Current Gain	I_C= -10A ; V_{CE}= -4V	5.0		
$I_{s/b}$	Second Breakdown Collector Current with Base Forward Biased	V_{CE}= -40V,t= 1.0s,Nonrepetitive	-2.87		A
f_T	Current Gain-Bandwidth Product	I_C= -0.5A ; V_{CE}= -10V;f_{test}= 1.0MHz	2.5		MHz