

isc Silicon NPN Power Transistor
2SC3264
DESCRIPTION

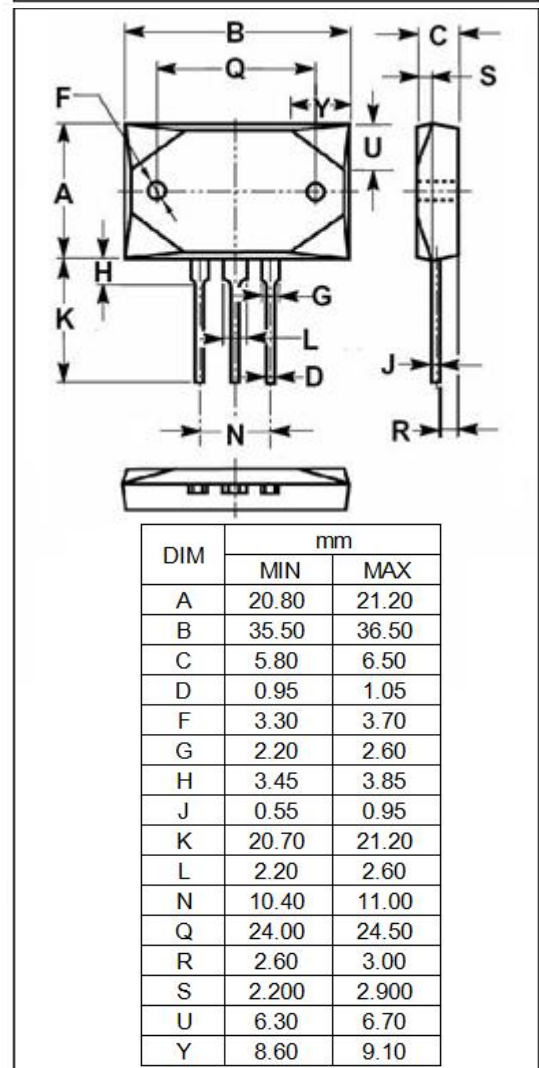
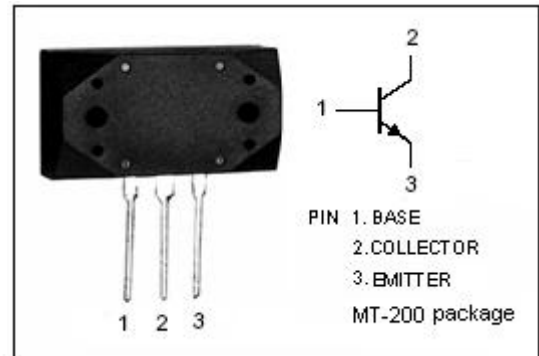
- High Collector-Emitter Breakdown Voltage-
 $V_{(BR)CEO} = 230V(\text{Min})$
- Good Linearity of h_{FE}
- Complement to Type 2SA1295
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Designed for audio and general purpose applications.

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

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	230	V
V_{CEO}	Collector-Emitter Voltage	230	V
V_{EBO}	Emitter-Base Voltage	5	V
I_C	Collector Current-Continuous	17	A
I_B	Base Current-Continuous	5	A
P_C	Collector Power Dissipation @ $T_C = 25^\circ\text{C}$	200	W
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{stg}	Storage Temperature Range	-55~150	$^\circ\text{C}$



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ELECTRICAL CHARACTERISTICS
 $T_c=25^\circ\text{C}$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage	$I_C= 25\text{mA}$; $I_B= 0$	230		V
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	$I_C= 5\text{A}$; $I_B= 0.5\text{A}$		2.0	V
I_{CBO}	Collector Cutoff Current	$V_{CB}= 230\text{V}$; $I_E= 0$		100	μA
I_{EBO}	Emitter Cutoff Current	$V_{EB}= 5\text{V}$; $I_C= 0$		100	μA
h_{FE}	DC Current Gain	$I_C= 5\text{A}$; $V_{CE}= 4\text{V}$	50	140	
f_T	Current-Gain -Bandwidth Product	$I_C=1.0\text{A}$, $V_{CE}= 5.0\text{V}$, $f_{test}= 1.0\text{MHz}$	10		MHz
C_{ob}	Output Capacitance	$V_{CB}= 10\text{V}$, $I_E= 0$, $f_{test}= 1.0\text{MHz}$		600	pF

◆ h_{FE} Classifications

O	Y
50-100	70-140

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