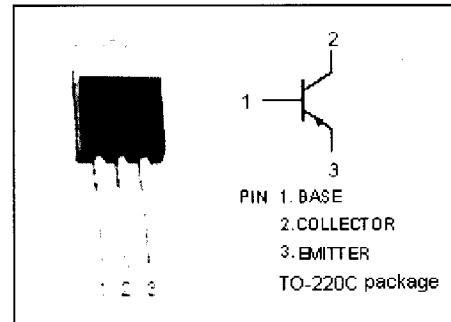


Silicon PNP Power Transistor

2SA1262

DESCRIPTION

- Collector-Emitter Breakdown Voltage-
 : $V_{(BR)CEO} = -60V(\text{Min.})$
- Low Collector Saturation Voltage
 : $V_{CE(sat)} = -0.6V(\text{Max.})@I_C = -2A$
- Complement to Type 2SC3179

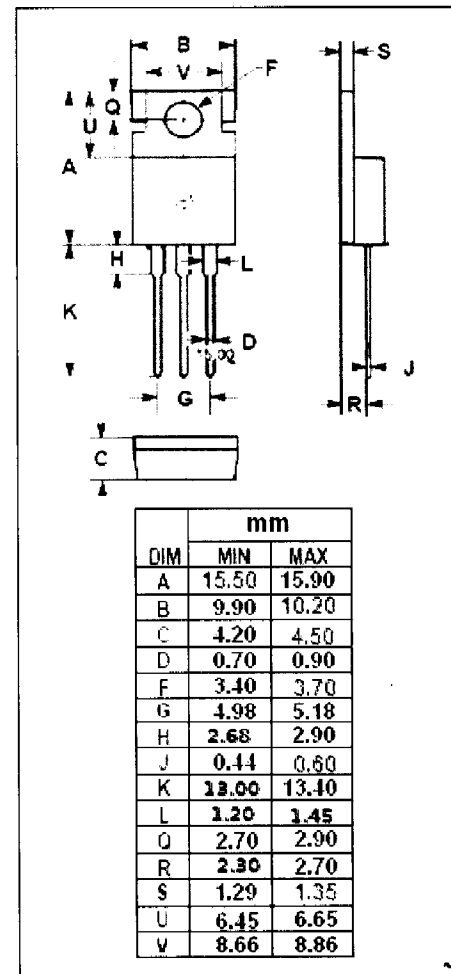


APPLICATIONS

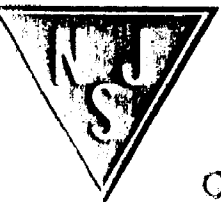
- Designed for audio and general purpose applications.

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

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-60	V
V_{CEO}	Collector-Emitter Voltage	-60	V
V_{EBO}	Emitter-Base Voltage	-6	V
I_C	Collector Current-Continuous	-4	A
I_B	Base Current-Peak	-1	A
P_C	Total Power Dissipation @ $T_c=25^\circ\text{C}$	30	W
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{stg}	Storage Temperature Range	-55~150	$^\circ\text{C}$



NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.



Silicon PNP Power Transistor

2SA1262

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	$I_C = -25\text{mA}; I_B = 0$	-60			V
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	$I_C = -2\text{A}; I_B = -0.2\text{A}$			-0.6	V
I_{CBO}	Collector Cutoff Current	$V_{CB} = -60\text{V}; I_E = 0$			-100	μA
I_{EBO}	Emitter Cutoff Current	$V_{EB} = -6\text{V}; I_C = 0$			-100	μA
h_{FE}	DC Current Gain	$I_C = -1\text{A}; V_{CE} = -4\text{V}$	40			
f_T	Current-Gain—Bandwidth Product	$I_E = 0.2\text{A}; V_{CE} = -12\text{V}$		15		MHz
C_{OB}	Output Capacitance	$I_E = 0; V_{CB} = -10\text{V}; f_{test} = 1\text{MHz}$		90		pF

Switching Times

t_{on}	Turn-on Time	$I_C = -2\text{A}; R_L = 10\Omega,$ $I_{B1} = -I_{B2} = -0.2\text{A}, V_{CC} = -20\text{V}$		0.25		μs
t_{stg}	Storage Time			0.75		μs
t_f	Fall Time			0.25		μs