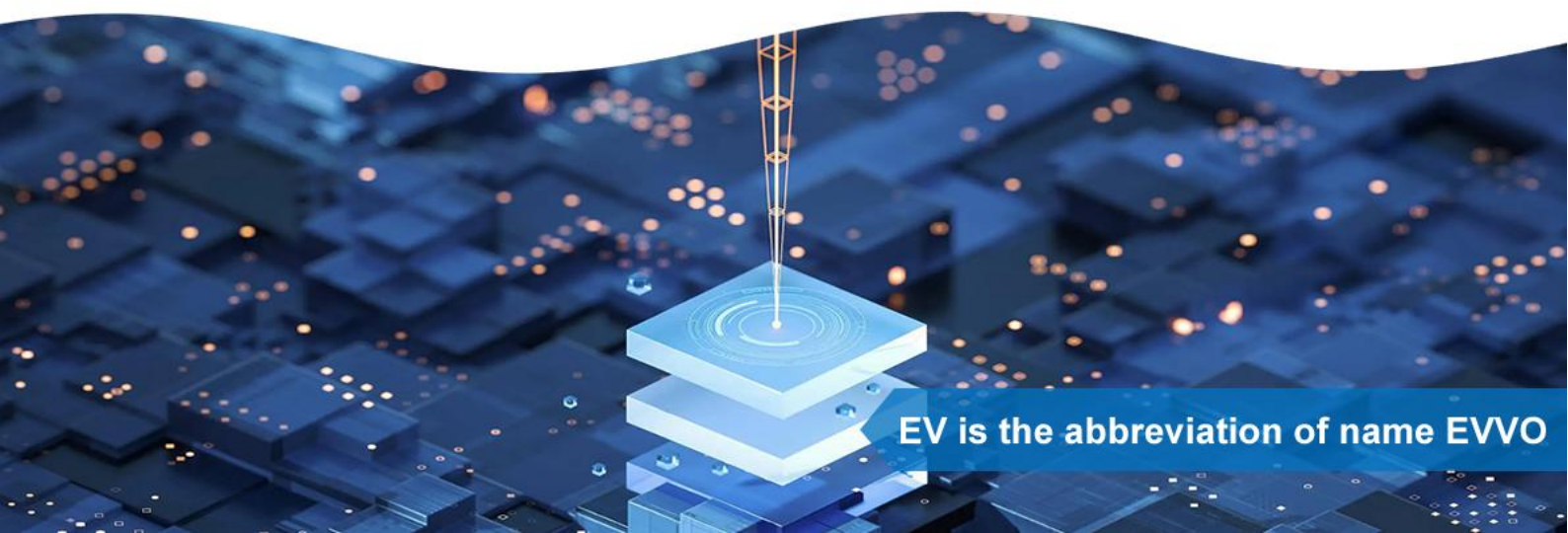
EVVOSEMI®
THINK CHANGE DO

ESD TVS MOS LDO Diode Sensor DC-DC

Product Specification

Domestic Part Number	2SA1494
Overseas Part Number	2SA1494
Equivalent Part Number	2SA1494



Silicon PNP Power Transistor

DESCRIPTION

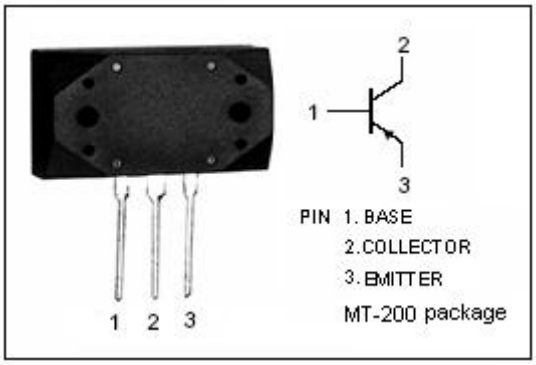
· Collector-Emitter Breakdown Voltage

$-V_{(BR)CEO}$= -150V(Min)

· Collector-Emitter Saturation Voltage

$-V_{CE(sat)}$: -2.5V(Max) @I_C= -10A

· Complement to Type 2SC3858



APPLICATIONS

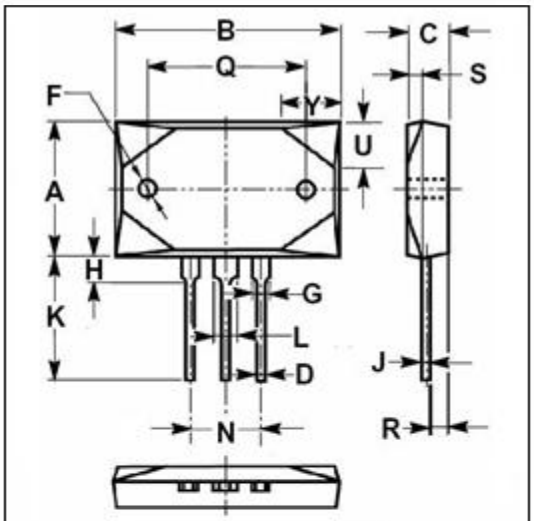
• For Audio And General Purpose Applications.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-150	V
V_{CEO}	Collector-Emitter Voltage	-150	V
V_{EBO}	Emitter-Base Voltage	-6	V
I_C	Collector Current-Continuous	-17	A
I_B	Base Current-Continuous	-5	A
P_C	Collector Power Dissipation @ T_C=25℃	130	W
T_J	Junction Temperature	150	℃
T_{stg}	Storage Temperature Range	-55~150	℃

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j\text{-}c}$	Thermal Resistance,Junction to Case	0.63	℃/W



DIM	mm		
	MIN	TYP.	MAX
A	21.10	21.40	21.70
B	36.10	36.40	36.70
C	5.80	6.00	6.20
D	1.03	1.05	1.07
F	3.10	3.20	3.30
G	2.00	2.10	2.20
H	3.80	3.90	4.00
J	0.63	0.65	0.67
K	20.00	20.40	20.80
L	3.00	3.10	3.20
N	10.80	10.90	11.00
Q	24.20	24.40	24.60
R	2.80	3.00	3.30
S	2.00	2.10	2.20
U	6.80	7.00	7.20
Y	8.80	9.00	9.20

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ELECTRICAL CHARACTERISTICS （T_C=25℃ unless otherwise specified）

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
$V_{(BR)CEO}$	Collector-Emitter Sustaining Voltage	I_C= -10mA; I_B= 0	-150	--	V
I_{CBO}	Collector Cutoff Current	V_{CB}= -150V ; I_E= 0	--	-100	uA
I_{EBO}	Emitter Cutoff Current	V_{EB}= -6V; I_C= 0	--	-100	uA
h_{FE}	DC Current Gain	I_C= -8A ; V_{CE}= -4V	50	150	--
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	I_C= -10A; I_B= -1A	--	-2.5	V

◆ h_{FE} CLASSIFICATIONS

Y	P	G
50~90	70~120	90~150

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