

isc Silicon PNP Power Transistors
2SA1535/A
DESCRIPTION

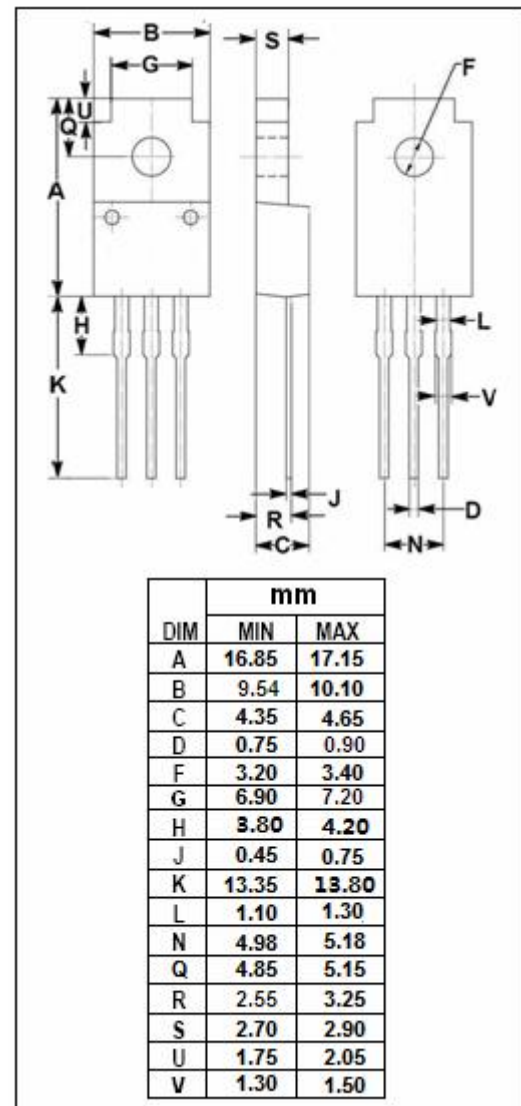
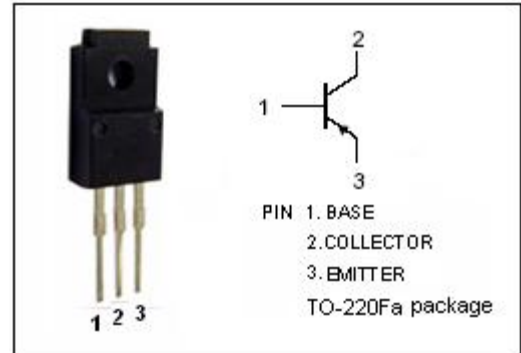
- Collector-Emitter Breakdown Voltage-
: $V_{(BR)CEO} = -150V(\text{Min})$ -2SA1535
= $-180V(\text{Min})$ -2SA1535A
- Good Linearity of h_{FE}
- Complement to Type 2SC3944/A
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Designed for low-frequency driver and high power amplification, is optimum for the driver-stage of a 60W to 100 W output amplifier.

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

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	2SA1535	-150
		2SA1535A	-180
V_{CEO}	Collector-Emitter Voltage	2SA1535	-150
		2SA1535A	-180
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current-Continuous	-1	A
I_C	Collector Current-Peak	-1.5	A
P_C	Collector Power Dissipation @ $T_C=25^\circ\text{C}$	15	W
	Collector Power Dissipation @ $T_a=25^\circ\text{C}$	2	
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°C unless otherwise specified

SYMBOL	PARAMETER		CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	2SA1535	I _C = -50mA ; I _B = 0	-150			V
		2SA1535A		-180			
V _{(BR)EBO}	Emitter-Base Breakdown Voltage		I _E = -10 μ A ; I _C = 0	-5			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage		I _C = -0.5A; I _B = -50mA			-2.0	V
V _{BE(sat)}	Base-Emitter Saturation Voltage		I _C = -0.5A; I _B = -50mA			-2.0	V
I _{CBO}	Collector Cutoff Current		V _{CB} = -150V ; I _E = 0			-10	μ A
h _{FE-1}	DC Current Gain		I _C = -150mA ; V _{CE} = -10V	90		330	
h _{FE-2}	DC Current Gain		I _C = -0.5A ; V _{CE} = -5V	50			

◆ h_{FE-1} Classifications

Q	R	S
90-155	130-220	185-330

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