

isc Silicon PNP Power Transistor
2SA2223
DESCRIPTION

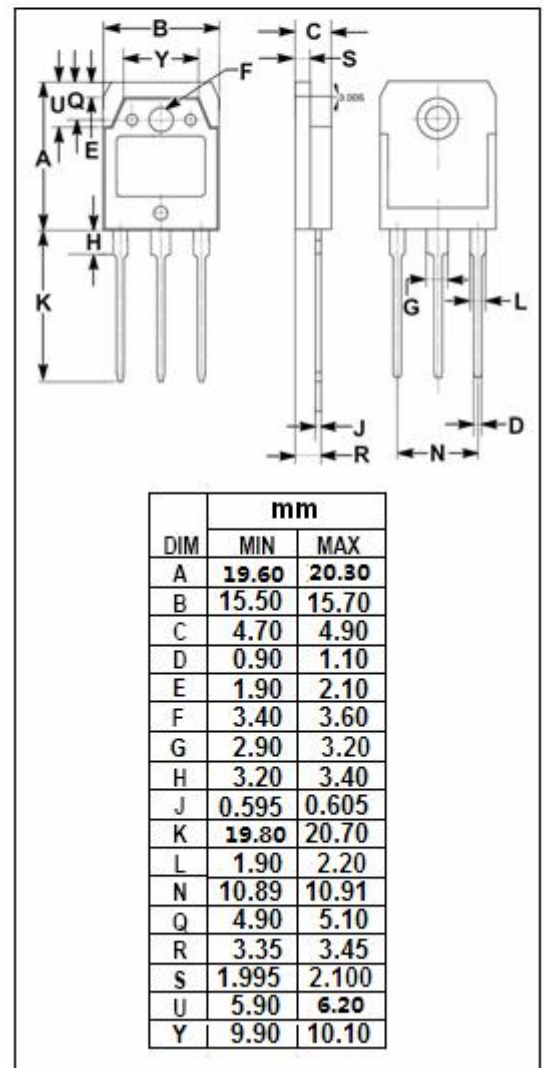
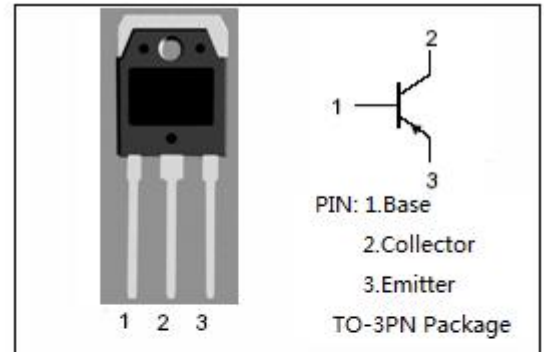
- High frequency multi emitter transistor
- Small package(TO-3P)
- High power handling capacity ,160W
- Complement to Type 2SC6145
- Minimum Lot-to-Lot variations for robust device performance and reliable operation.

APPLICATIONS

- Signal transistors for audio amplifiers
- Audio market

ABSOLUTE MAXIMUM RATINGS(Ta=25°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	-15	A
I_B	Base Current-Continuous	-4.0	A
P_C	Collector Power Dissipation @ $T_C=25^\circ\text{C}$	160	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°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -25mA; I _B = 0	-230			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -5A; I _B = -0.5A			-0.5	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -230V; I _E = 0			-10	μ A
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-10	μ A
h _{FE}	DC Current Gain	I _C = -5A; V _{CE} = -4V	40		140	
C _{OB}	Output Capacitance	I _E =0; V _{CB} = -10V; f= 1.0MHz		500		pF
f _T	Current-Gain—Bandwidth Product	I _C =-2A ; V _{CE} = -12V		35		MHz

◆ h_{FE} Classifications

R	O	Y
40-80	50-100	70-140

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