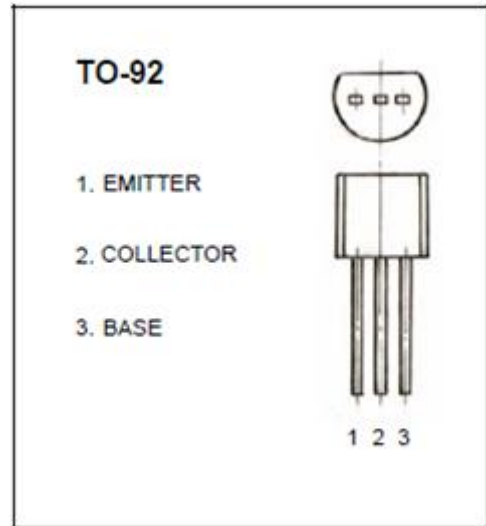


isc Silicon PNP Transistor
2SA1013
DESCRIPTION

- High Voltage and High Current
V_{ceo}=-160V(Min.)
- Excellent hFE Linearity
- Low Noise
- Complement to Type 2SC2383
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Audio frequency general purpose amplifier Applications
- Driver stage amplifier applications.


ABSOLUTE MAXIMUM RATINGS(T_a=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	-160	V
V _{CEO}	Collector-Emitter Voltage	-160	V
V _{EBO}	Emitter-Base Voltage	-6	V
I _C	Collector Curren	-1	A
I _B	Base Curren	-500	mA
P _C	Collector Power Dissipation @T _c =25°C	900	mW
T _J	Junction Temperature	150	°C
T _{stg}	Storage Temperature Range	-55~150	°C

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ELECTRICAL CHARACTERISTICS

T_c=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -500mA ; I _B = -50mA			-1.5	V
I _{CBO}	Emitter Cutoff Current	V _{CB} = -150V; I _E = 0			-1.0	μ A
I _{EBO}	Collector Cutoff Current	V _{EB} = -6V; I _C = 0			-1.0	μ A
h _{FE}	DC Current Gain	I _C = -200mA ; V _{CE} = -5V	60		200	

◆ h_{FE} Classifications

R	O
60-120	100-200

Notice:

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