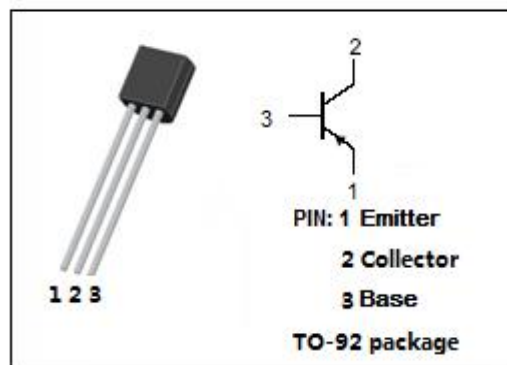


**isc Silicon PNP Transistor**
**2SA1082**
**DESCRIPTION**

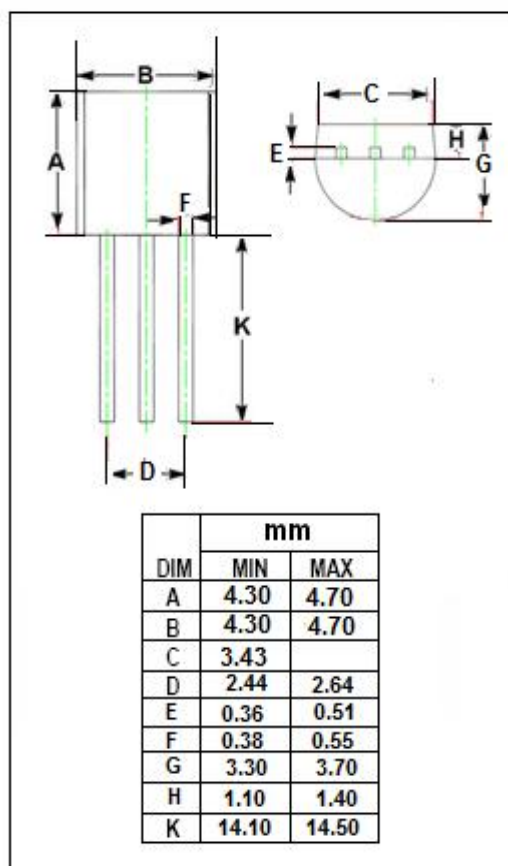
- High Voltage
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

**APPLICATIONS**

- Design For Amplifier and general purpose applications


**ABSOLUTE MAXIMUM RATINGS(T<sub>a</sub>=25°C)**

SYMBOL	PARAMETER	VALUE	UNIT
V <sub>CBO</sub>	Collector-Base Voltage	-120	V
V <sub>CEO</sub>	Collector-Emitter Voltage	-120	V
V <sub>EBO</sub>	Emitter-Base Voltage	-5	V
I <sub>c</sub>	Collector Current-Continuous	-100	mA
P <sub>D</sub>	Collector Power Dissipation@T <sub>A</sub> =25°C	400	mW
T <sub>J</sub>	Junction Temperature	150	°C
T <sub>stg</sub>	Storage Temperature Range	-55~150	°C



**isc Silicon PNP Transistor**
**2SA1082**
**ELECTRICAL CHARACTERISTICS**

 T<sub>c</sub>=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
V <sub>(BR)CES</sub>	Collector-Emitter Breakdown Voltage	I <sub>c</sub> = -10 μ A; I <sub>E</sub> = 0	-120			V
V <sub>(BR)CEO</sub>	Collector-Emitter Breakdown Voltage	I <sub>c</sub> = -1mA; I <sub>B</sub> = 0	-120			V
V <sub>(BR)EBO</sub>	Emitter-Base Breakdown Voltage	I <sub>E</sub> = -10 μ A; I <sub>C</sub> = 0	-5			V
V <sub>CE(sat)</sub>	Collector-Emitter Saturation Voltage	I <sub>c</sub> =-10mA ; I <sub>B</sub> = -1mA			-0.2	V
V <sub>BE(on)</sub>	Base-Emitter On Voltage	I <sub>c</sub> = -2mA ; V <sub>CE</sub> = -12V		-0.6		V
I <sub>CBO</sub>	Collector Cutoff Current	V <sub>CB</sub> = -50V; I <sub>E</sub> = 0			-0.1	μ A
I <sub>EBO</sub>	Emitter Cutoff Current	V <sub>EB</sub> = -2V; I <sub>C</sub> = 0			-0.1	μ A
h <sub>FE</sub>	DC Current Gain	I <sub>c</sub> =-2mA ; V <sub>CE</sub> = -12V	250		800	
f <sub>T</sub>	Current-Gain—Bandwidth Product	I <sub>c</sub> = -2mA; V <sub>CE</sub> = -12V; f= 1MHz		90		MHz
Cob	Output Capacitance	V <sub>CB</sub> = -10 V, I <sub>E</sub> = 0, f =1.0MHz		3.5		pF

**◆ h<sub>FE</sub> Classifications**

D	E
250-500	400-800

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