

**Silicon PNP Power Transistor**
**2N6468**
**DESCRIPTION**

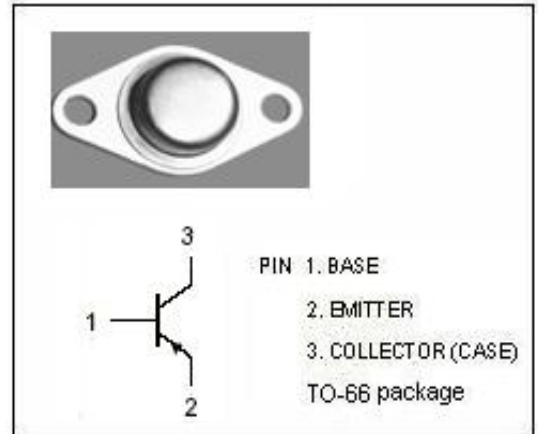
- Collector-Emitter Breakdown Voltage

$$-V_{(BR)CEO} = -120V(\text{Min})$$

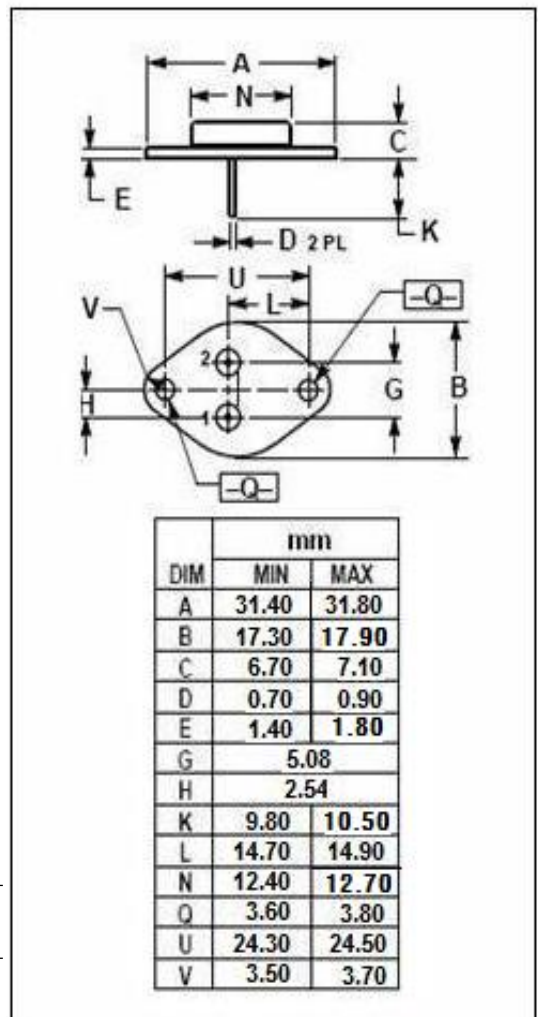
- Wide Area of Safe Operation
- Complement to Type 2N6466

**APPLICATIONS**

- Designed for power amplifier and switching applications.


**ABSOLUTE MAXIMUM RATINGS(Ta=25°C)**

SYMBOL	PARAMETER	VALUE	UNIT
V <sub>CBO</sub>	Collector-Base Voltage	-130	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	-4	A
I <sub>B</sub>	Base Current-Continuous	-2	A
P <sub>D</sub>	Total Power Dissipation@T <sub>C</sub> =25°C	40	W
T <sub>J</sub>	Junction Temperature	200	°C
T <sub>stg</sub>	Storage Temperature	-65~200	°C


**THERMAL CHARACTERISTICS**

SYMBOL	PARAMETER	MAX	UNIT
R <sub>th j-c</sub>	Thermal Resistance, Junction to Case	4.3	°C/W

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**ELECTRICAL CHARACTERISTICS (T<sub>C</sub>=25°C unless otherwise specified)**

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
V <sub>CEO(SUS)</sub>	Collector-Emitter Sustaining Voltage	I <sub>C</sub> = -50mA; I <sub>B</sub> = 0	-120	--	V
V <sub>CE(sat)</sub>	Collector-Emitter Saturation Voltage	I <sub>C</sub> = -1.5A; I <sub>B</sub> = -0.15A	--	-1.2	V
		I <sub>C</sub> = -4.0A; I <sub>B</sub> = -0.8A	--	-4.0	
V <sub>BE(on)</sub>	Base-Emitter On Voltage	I <sub>C</sub> = -1.5A; V <sub>CE</sub> = -4V	--	-1.5	V
		I <sub>C</sub> = -4A; V <sub>CE</sub> = -4V	--	-3.5	
I <sub>CBO</sub>	Collector Cutoff Current	V <sub>CB</sub> = -130V; I <sub>E</sub> = 0	--	-10	μA
I <sub>CEO</sub>	Collector Cutoff Current	V <sub>CE</sub> = -120V; I <sub>B</sub> = 0	--	-1.0	mA
I <sub>EBO</sub>	Emitter Cutoff Current	V <sub>EB</sub> = -5V; I <sub>C</sub> = 0	--	-100	μA
h <sub>FE</sub>	DC Current Gain	I <sub>C</sub> = -1.5A; V <sub>CE</sub> = -4V	15	150	
f <sub>T</sub>	Current-Gain—Bandwidth Product	I <sub>C</sub> = -0.5A; V <sub>CE</sub> = -10V	5	--	MHz

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