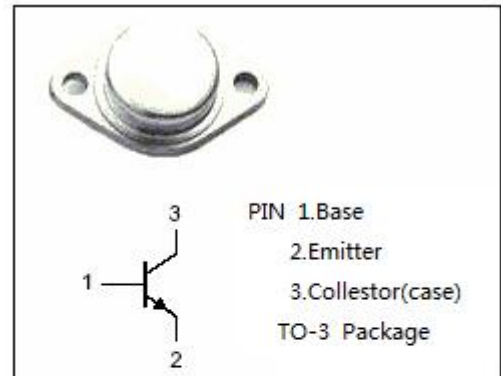


**isc Silicon NPN Power Transistor**
**2SC2358**
**DESCRIPTION**

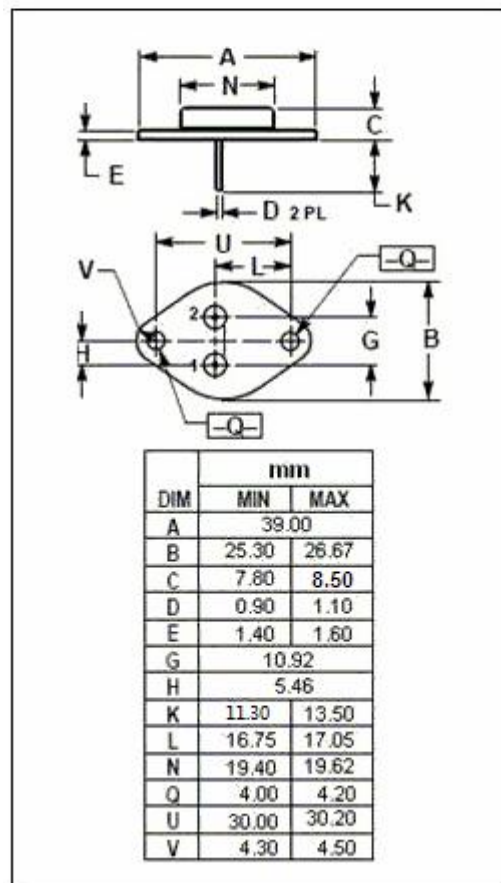
- With TO-3 Package
- Low collector saturation voltage
- Minimum Lot-to-Lot variations for robust device performance and reliable operation.

**APPLICATIONS**

- Designed for color TV horizontal deflection driver


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

SYMBOL	PARAMETER	VALUE	UNIT
V <sub>CB0</sub>	Collector-Base Voltage	1000	V
V <sub>CEO</sub>	Collector-Emitter Voltage	800	V
V <sub>EBO</sub>	Emitter-Base Voltage	7	V
I <sub>C</sub>	Collector Current-Continuous	10	A
P <sub>C</sub>	Collector Power Dissipation @ T <sub>C</sub> =25°C	150	W
T <sub>J</sub>	Junction Temperature	200	°C
T <sub>stg</sub>	Storage Temperature Range	-65~200	°C


**THERMAL CHARACTERISTICS**

SYMBOL	PARAMETER	MAX	UNIT
R <sub>th j-c</sub>	Thermal Resistance, Junction to Case	1.17	°C/W

**isc Silicon NPN Power Transistor****2SC2358****ELECTRICAL CHARACTERISTICS** $T_C=25^{\circ}\text{C}$  unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	$I_C= 5A; I_B= 1.0A$		1.5	V
$V_{BE(sat)}$	Base-Emitter Saturation Voltage	$I_C= 5A; I_B= 1.0A$		1.5	V
$I_{CBO}$	Collector Cutoff Current	$V_{CB}=800V; I_B= 0$		100	$\mu\text{A}$
$I_{EBO}$	Emitter Cutoff Current	$V_{EB}= 7V; I_C=0$		100	$\mu\text{A}$
$h_{FE}$	DC Current Gain	$I_C= 5A; V_{CE}= 5V$	15		

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