

**isc Silicon NPN Power Transistor**

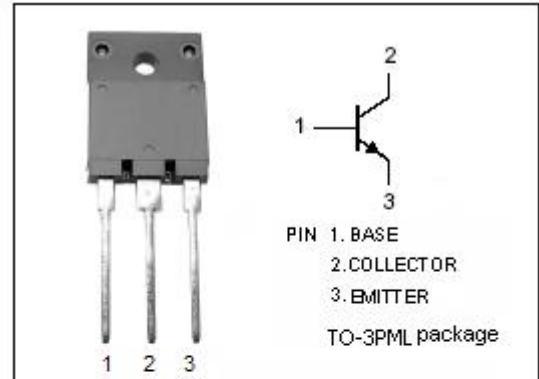
**2SC4880**

**DESCRIPTION**

- High Breakdown Voltage
- High Switching Speed
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

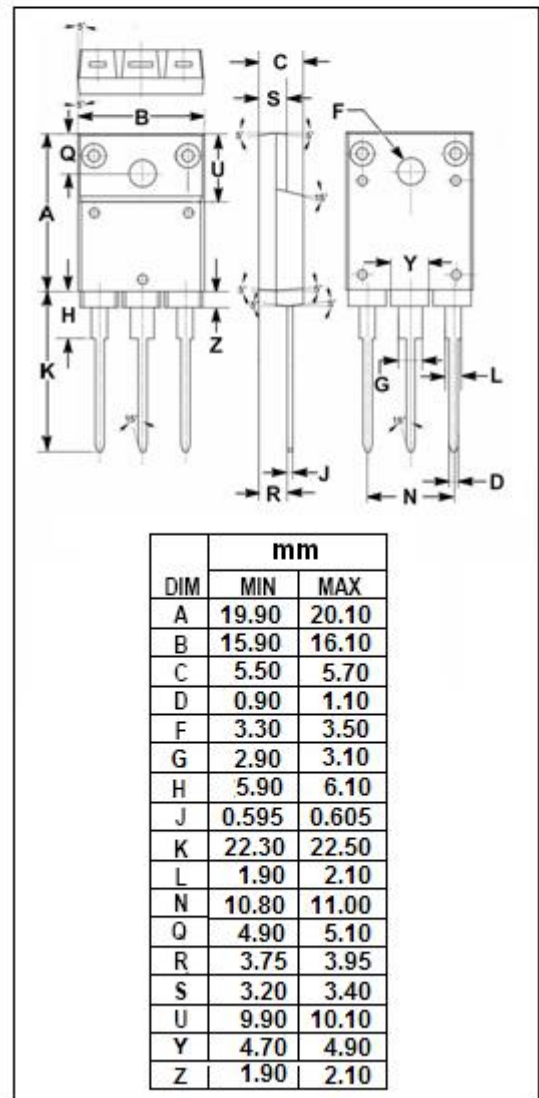
**APPLICATIONS**

- Very high-definition CRT display horizontal deflection output applications



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

SYMBOL	PARAMETER	VALUE	UNIT
V <sub>CBO</sub>	Collector-Base Voltage	1700	V
V <sub>CEO</sub>	Collector-Emitter Voltage	900	V
V <sub>EBO</sub>	Emitter-Base Voltage	5	V
I <sub>C</sub>	Collector Current-Continuous	12	A
I <sub>CP</sub>	Collector Current-Peak	20	A
P <sub>C</sub>	Collector Power Dissipation @ T <sub>a</sub> =25°C	20	W
	Collector Power Dissipation @ T <sub>C</sub> =25°C	100	
T <sub>J</sub>	Junction Temperature	150	°C
T <sub>stg</sub>	Storage Temperature Range	-55~150	°C



**isc Silicon NPN Power Transistor****2SC4880****ELECTRICAL CHARACTERISTICS** $T_C=25^{\circ}\text{C}$  unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
$V_{CE(SUS)}$	Collector-Emitter Sustaining Voltage	$I_C=10\text{mA}; I_B=0$	900			V
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	$I_C=10\text{A}; I_B=2.5\text{A}$			5.0	V
$V_{BE(sat)}$	Base-Emitter Saturation Voltage	$I_C=10\text{A}; I_B=2.5\text{A}$			1.5	V
$I_{CEO}$	Collector Cutoff Current	$V_{CE}=1700\text{V}; R_{BE}=0$			0.5	mA
$I_{EBO}$	Emitter Cutoff Current	$V_{EB}=5\text{V}; I_C=0$			0.1	mA
$h_{FE}$	DC current gain	$I_C=1\text{A}; V_{CE}=5\text{V}$	8		40	

**NOTICE:**

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