

**DESCRIPTION**

- High Voltage- $V_{CEX} = 1300V(\text{Min.})$
- Collector Current-  $I_C = 5.0A$

**APPLICATIONS**

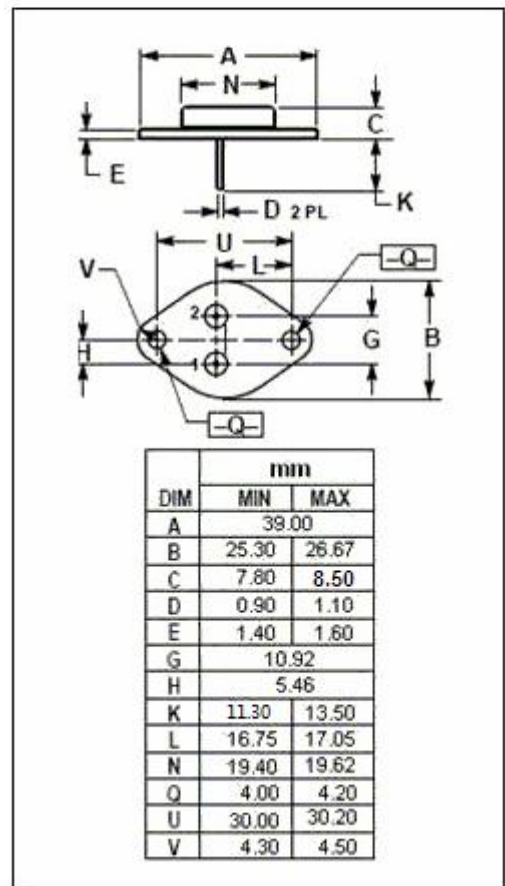
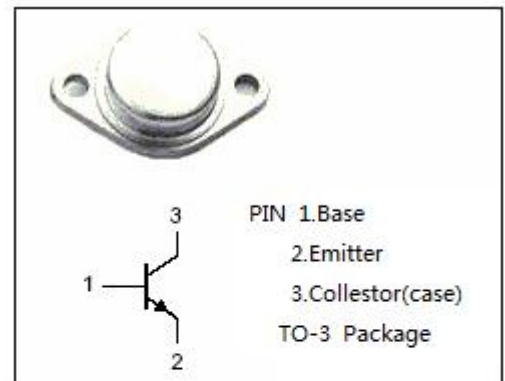
- Designed for use in large screen color deflection circuits .

**ABSOLUTE MAXIMUM RATINGS( $T_a=25^\circ C$ )**

SYMBOL	PARAMETER	VALUE	UNIT
$V_{CEX}$	Collector-Emitter Voltage	1300	V
$V_{CEO}$	Collector-Emitter Voltage	700	V
$V_{EBO}$	Emitter-Base Voltage	5	V
$I_C$	Collector Current-Continuous	5.0	A
$I_{CM}$	Collector Current-Peak	7.5	A
$I_B$	Base Current-Continuous	2.5	A
$P_C$	Collector Power Dissipation @ $T_c=25^\circ C$	55	W
$T_J$	Junction Temperature	115	$^\circ C$
$T_{stg}$	Storage Temperature	-65~115	$^\circ C$

**THERMAL CHARACTERISTICS**

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j-c}$	Thermal Resistance, Junction to Case	1.64	$^\circ C/W$



**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	$I_C=50\text{mA}; I_B=0$	700			V
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	$I_C=4.5\text{A}; I_B=2\text{A}$			5.0	V
$V_{BE(sat)}$	Base-Emitter Saturation Voltage	$I_C=4.5\text{A}; I_B=2\text{A}$			1.5	V
$I_{CES}$	Collector Cutoff Current	$V_{CE}=1500\text{V}; V_{BE}=0$			1.0	mA
$I_{EBO}$	Emitter Cutoff Current	$V_{EB}=5.0\text{V}; I_C=0$			10	mA
$h_{FE}$	DC Current Gain	$I_C=4.5\text{A}; V_{CE}=5\text{V}$	2.25			
$C_{OB}$	Output Capacitance	$I_E=0; V_{CB}=10\text{V}; f_{test}=1\text{MHz}$		125		pF
$f_T$	Current-Gain—Bandwidth Product	$I_C=0.1\text{A}; V_{CE}=5\text{V}; f_{test}=1\text{MHz}$		4		MHz
$t_f$	Fall Time	$I_C=4.5\text{A}; I_B=1.8\text{A}; L_B=10\ \mu\text{H}$		1.0		$\mu\text{s}$

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