

**DESCRIPTION**

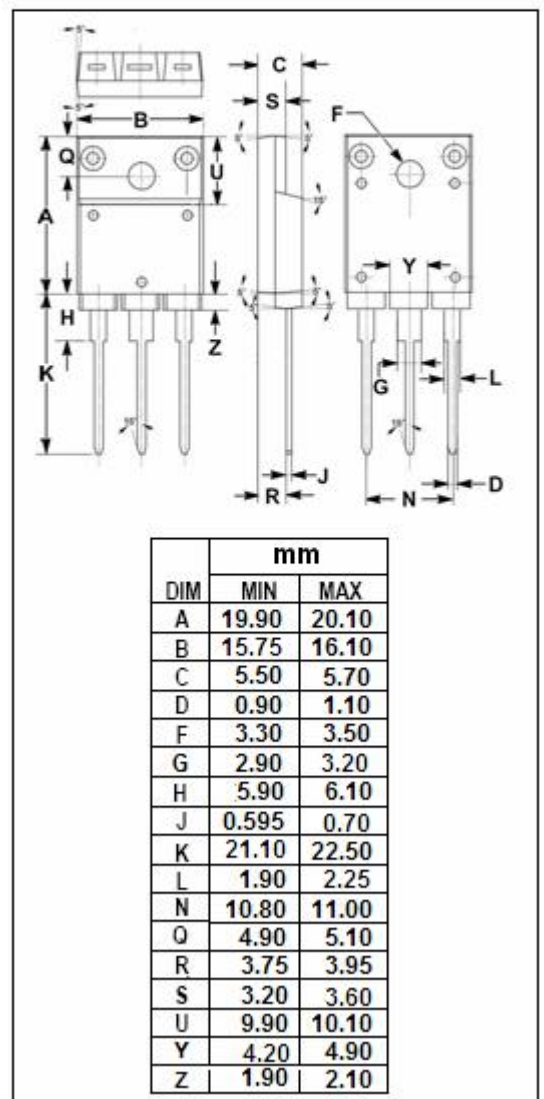
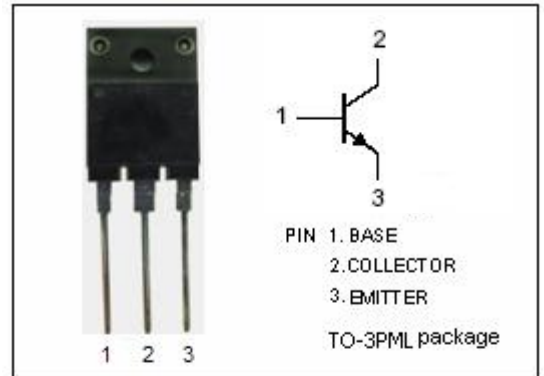
- High Breakdown Voltage-  
:  $V_{CBO} = 1500V$  (Min)
- High Switching Speed
- High Reliability

**APPLICATIONS**

- Color TV horizontal deflection output
- Color display horizontal deflection output

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

SYMBOL	PARAMETER	VALUE	UNIT
$V_{CBO}$	Collector-Base Voltage	1500	V
$V_{CEO}$	Collector-Emitter Voltage	800	V
$V_{EBO}$	Emitter-Base Voltage	6	V
$I_C$	Collector Current- Continuous	10	A
$I_{CP}$	Collector Current-Pulse	30	A
$P_C$	Collector Power Dissipation @ $T_C = 25^\circ C$	70	W
$T_J$	Junction Temperature	150	$^\circ C$
$T_{stg}$	Storage Temperature Range	-55~150	$^\circ C$



**ELECTRICAL CHARACTERISTICS**

$T_c=25^{\circ}\text{C}$  unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
$V_{CEO(SUS)}$	Collector-Emitter Sustaining Voltage	$I_C= 50\text{mA}; I_B= 0$	800			V
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	$I_C= 8\text{A}; I_B= 1.6\text{A}$			5.0	V
$V_{BE(sat)}$	Base-Emitter Saturation Voltage	$I_C= 8\text{A}; I_B= 1.6\text{A}$			1.5	V
$I_{CBO}$	Collector Cutoff Current	$V_{CB}= 800\text{V}; I_E= 0$			10	$\mu\text{A}$
$I_{CES}$	Collector Cutoff Current	$V_{CE}= 1500\text{V}; R_{BE}= 0$			1.0	mA
$I_{EBO}$	Emitter Cutoff Current	$V_{EB}= 4\text{V}; I_C= 0$			1.0	mA
$h_{FE-1}$	DC Current Gain	$I_C= 1\text{A}; V_{CE}= 5\text{V}$	8			
$h_{FE-2}$	DC Current Gain	$I_C= 8\text{A}; V_{CE}= 5\text{V}$	5		10	
$t_f$	Fall Time	$I_C= 6\text{A}, I_{B1}= 1.2\text{A}; I_{B2}= -2.4\text{A}$ $P_W=20\ \mu\text{s}; \text{Duty Cycle}\leq 1\%$			0.3	$\mu\text{s}$

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