

2SC1172

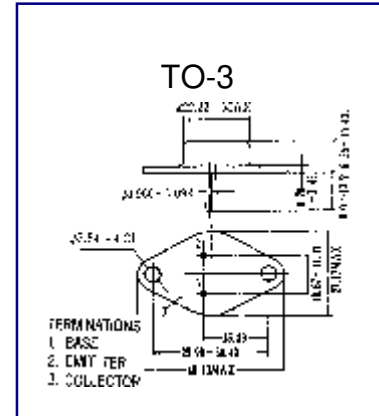
NPN TRIPLE DIFFUSED PLANAR SILICON TRANSISTOR

COLOR TV HORIZONTAL OUTPUT APPLICATIONS (No Damper Diode)

- High Collector-Base Voltage($V_{CB0}=1500V$)
- High Speed Switching

ABSOLUTE MAXIMUM RATINGS (T_A=25°C)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V _{CB0}	1500	V
Collector-Emitter Voltage	V _{CE0}	800	V
Emitter-Base voltage	V _{EB0}	6	V
Collector Current (DC)	I _C	5	A
Collector Dissipation (T _c =25°C)	P _C	50	W
Junction Temperature	T _j	150	°C
Storage Temperature	T _{stg}	-50~150	°C



ELECTRICAL CHARACTERISTICS (T_A=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector- Emitter Cutoff Current($V_{BE}=0$)	ICES	$V_{CE}= 600\text{ V}$, $R_{BE}=0$	8		1.0	mA
Collector Cutoff Current	ICBO	$V_{CB}= 800\text{ V}$, $I_E=0$			10	μA
Emitter Cutoff Current	IEBO	$V_{EB}= 4\text{ V}$, $I_C=0$			1.0	mA
DC Current Gain	hFE	$V_{CE}= 5\text{ V}$, $I_C=1\text{ A}$				
Collector- Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C= 4\text{ A}$, $I_B=1\text{ A}$			5.0	V