

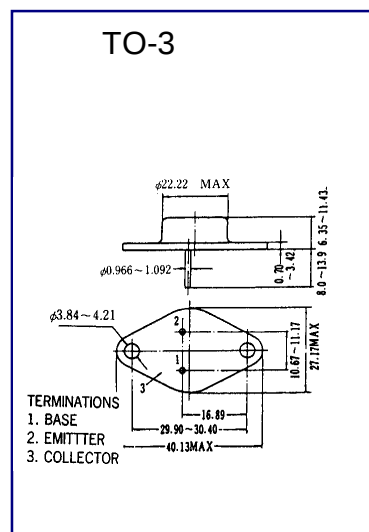


2SC1413A

NPN TRIPLE DIFFUSED PLANAR SILICON TRANSISTOR

COLOR TV HORIZONTAL OUTPUT APPLICATIONS(No Damper Diode)

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



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

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V_{CBO}	1500	V
Collector-Emitter Voltage	V_{CEO}	800	V
Emitter-Base voltage	V_{EBO}	6	V
Collector Current (DC)	IC	5	A
Collector Dissipation ($T_c=25^{\circ}C$)	PC	50	W
Junction Temperature	T_j	150	$^{\circ}C$
Storage Temperature	T_{stg}	-50~150	$^{\circ}C$

ELECTRICAL CHARACTERISTICS ($T_a=25^{\circ}C$)

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