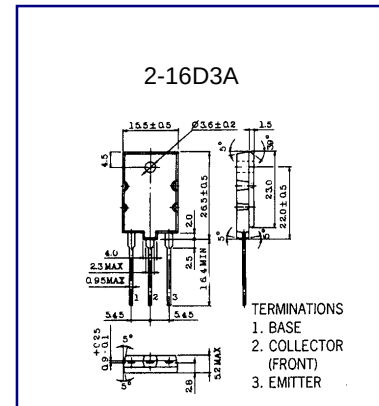


2SD1433

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°C)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V _{CB0}	1500	V
Collector-Emitter Voltage	V _{CE0}	600	V
Emitter-Base voltage	V _{EB0}	6	V
Collector Current (DC)	I _C	5	A
Collector Dissipation (T _c =25°C)	P _C	80	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($V_{BE}=0$)	I_{CES}	$V_{CE}=800V$, $R_{BE}=0$			1.0	mA
Collector Cutoff Current	I_{CBO}	$V_{CB}= 600 V$, $I_E=0$			10	μA
Emitter Cutoff Current	I_{EBO}	$V_{EB}= 4V$, $I_C=0$			1.0	mA
DC Current Gain	h_{FE}	$V_{CE}= 5V$,	8			
Collector- Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=1A$ $I_C=5A$, $I_B=1A$			5.0	V