

# 2SD1264, 2SD1264A

## Silicon NPN Triple-Diffused Planar Type

AF Power Amplifier

TV vertical Deflection Output

Complementary Pair with 2SB940, 2SB940A

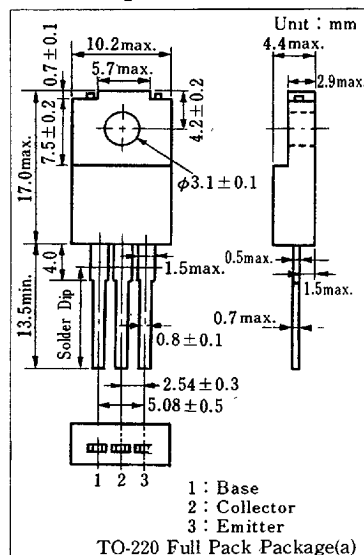
### ■ Features

- High collector-emitter voltage ( $V_{CE0}$ )
- Large collector power dissipation ( $P_C$ )
- "Full Pack" package for simplified mounting on a heat sink with one screw

### ■ Absolute Maximum Ratings ( $T_c=25^\circ\text{C}$ )

Item	Symbol	Value	Unit
Collector-base voltage	$V_{CB0}$	200	V
Collector-emitter voltage	2SD1264	150	V
	2SD1264A	180	
Emitter-base voltage	$V_{EB0}$	6	V
Peak collector current	$I_{CP}$	3	A
Collector current	$I_C$	2	A
Collector power dissipation	$T_c=25^\circ\text{C}$	30	W
	$T_a=25^\circ\text{C}$	2	
Junction temperature	$T_j$	150	$^\circ\text{C}$
Storage temperature	$T_{stg}$	$-55 \sim +150$	$^\circ\text{C}$

### ■ Package Dimensions



### ■ Electrical Characteristics ( $T_c=25^\circ\text{C}$ )

Item	Symbol	Condition	min.	typ.	max.	Unit
Collector cutoff current	$I_{CB0}$	$V_{CB}=200\text{ V}, I_E=0$			50	$\mu\text{A}$
Emitter cutoff current	$I_{EB0}$	$V_{EB}=4\text{ V}, I_C=0$			50	$\mu\text{A}$
Collector-base voltage	$V_{CB0}$	$I_C=500\ \mu\text{A}, I_E=0$	200			V
Collector-emitter voltage	$V_{CE0}$	2SD1264 $I_C=5\text{ mA}, I_B=5$	150			V
		2SD1264A $I_C=5\text{ mA}, I_B=0$	180			
Emitter-base voltage	$V_{EB0}$	$I_E=500\ \mu\text{A}, I_C=0$	6			V
DC current gain	$h_{FE1}^*$	$V_{CE}=10\text{ V}, I_C=150\text{ mA}$	60		240	
	$h_{FE2}$	$V_{CE}=10\text{ V}, I_C=400\text{ mA}$	50			
Base-emitter voltage	$V_{BE}$	$V_{CE}=10\text{ V}, I_C=400\text{ mA}$			1	V
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C=500\text{ mA}, I_B=50\text{ mA}$			1	V
Transition frequency	$f_T$	$V_{CE}=5\text{ V}, I_C=0.5\text{ A}, f=1\text{ MHz}$		20		MHz

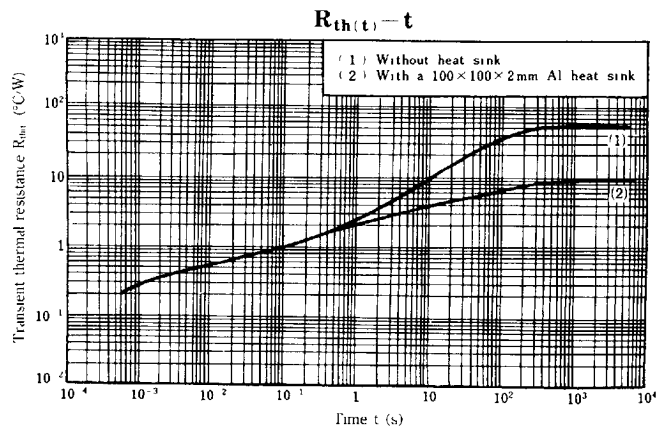
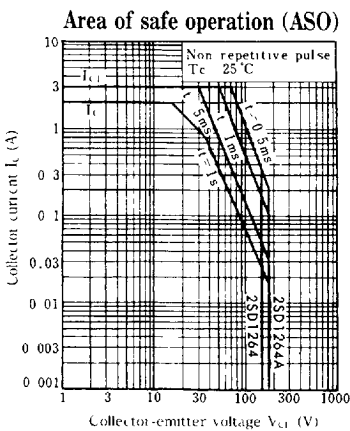
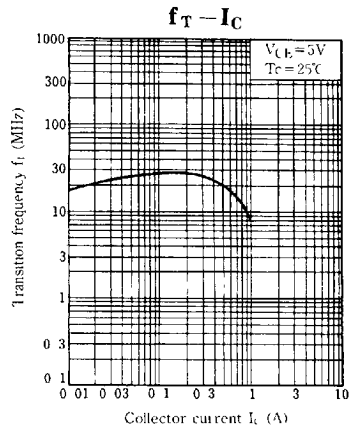
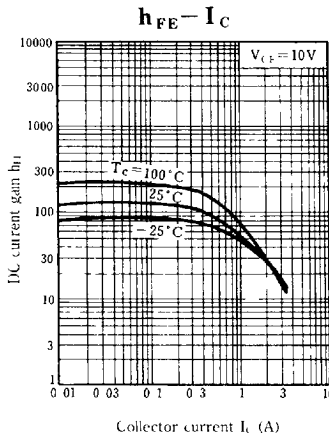
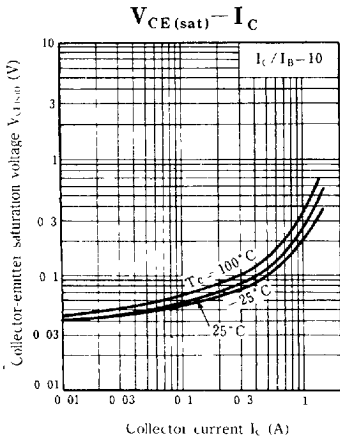
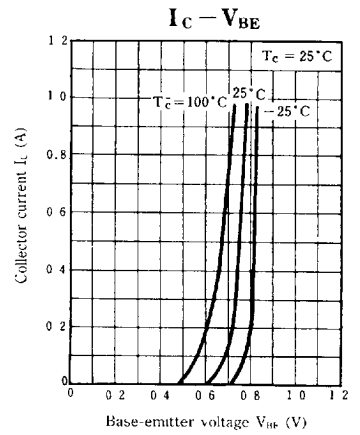
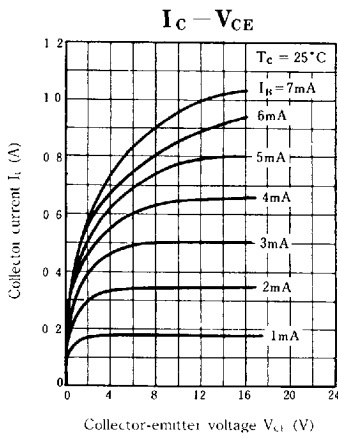
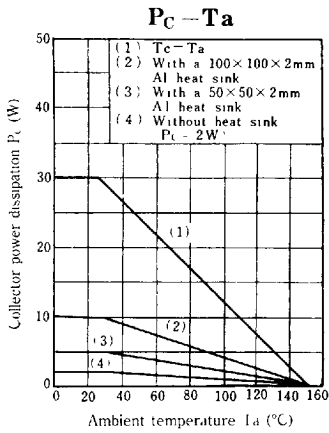
### \* $h_{FE1}$ Classifications

Class	Q	P
$h_{FE1}$	60~140	100~240

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Panasonic

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