# 2SD1264, 2SD1264A

### Silicon NPN triple diffusion planar type

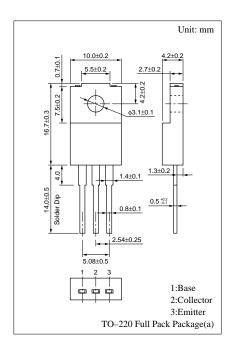
For low-freauency power amplification
For TV vertical deflection output
Complementary to 2SB0940 (2SB940A) and 2SB0940A (2SB940A)

#### Features

- High collector to emitter V<sub>CEO</sub>
- Large collector power dissipation P<sub>C</sub>
- Full-pack package which can be installed to the heat sink with one screw

#### Absolute Maximum Ratings (T<sub>C</sub>=25°C)

Parameter		Symbol	Ratings	Unit	
Collector to base voltage		$V_{CBO}$	200	V	
Collector to	2SD1264	**	150	***	
emitter voltage	2SD1264A	$V_{CEO}$	180	V	
Emitter to base voltage		$V_{EBO}$	6	V	
Peak collector current		$I_{CP}$	3	A	
Collector current		$I_{C}$	2	A	
Collector power	T <sub>C</sub> =25°C	D	30	***	
dissipation	Ta=25°C	$P_{C}$	2	W	
Junction temperature		T <sub>j</sub>	150	°C	
Storage temperature		$T_{stg}$	-55 to +150	°C	



#### Electrical Characteristics (T<sub>C</sub>=25°C)

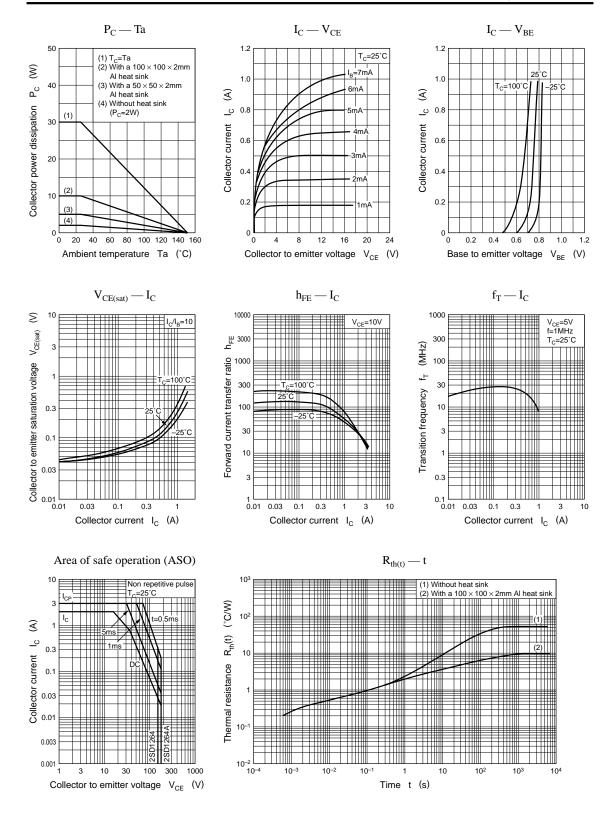
Parameter		Symbol	Conditions	min	typ	max	Unit
Collector cutoff current		$I_{CBO}$	$V_{CB} = 200V, I_{E} = 0$			50	μА
Emitter cutoff current		I <sub>EBO</sub>	$V_{EB} = 4V$ , $I_C = 0$			50	μА
Collector to base voltage		V <sub>CBO</sub>	$I_{\rm C} = 50 \mu A, I_{\rm E} = 0$	200			V
Collector to emitter	2SD1264	V <sub>CEO</sub>	$I_C = 5mA$ , $I_B = 0$	150			V
voltage	2SD1264A			180			
Emitter to base voltage		V <sub>EBO</sub>	$I_E = 500 \mu A, I_C = 0$	6			V
Forward current transfer ratio		h <sub>FE1</sub> *	$V_{CE} = 10V, I_{C} = 150mA$	60		240	
		h <sub>FE2</sub>	$V_{CE} = 10V, I_{C} = 400mA$	50			
Base to emitter voltage		V <sub>BE</sub>	$V_{CE} = 10V, I_{C} = 400mA$			1	V
Collector to emitter saturation voltage		V <sub>CE(sat)</sub>	$I_C = 500 \text{mA}, I_B = 50 \text{mA}$			1	V
Transition frequency		$f_T$	$V_{CE} = 5V, I_{C} = 0.5A, f = 1MHz$		20		MHz

#### \*h<sub>FE1</sub> Rank classification

Rank	Q	P
h <sub>FE1</sub>	60 to 140	100 to 240

Note) The part numbers in the parenthesis show conventional part number.

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