# 2SC4366

## Silicon NPN Epitaxial

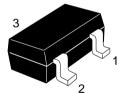
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#### **Application**

Low Frequency amplifier

#### Outline

MPAK



- 1. Emitter
- 2. Base
- 3. Collector



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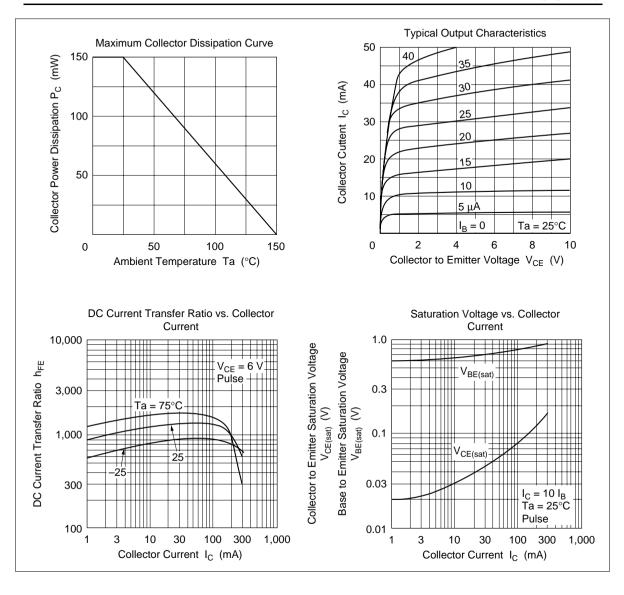
### **Absolute Maximum Ratings** $(Ta = 25^{\circ}C)$

Item	Symbol	Ratings	Unit
Collector to base voltage	$V_{\text{CBO}}$	60	V
Collector to emitter voltage	V <sub>CEO</sub>	50	V
Emitter to base voltage	$V_{EBO}$	15	V
Collector current	I <sub>c</sub>	300	mA
Collector power dissipation	P <sub>c</sub>	150	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

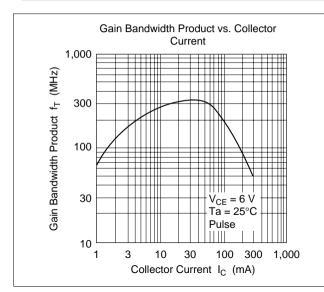
### **Electrical Characteristics** ( $Ta = 25^{\circ}C$ )

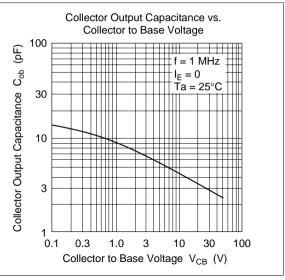
Item	Symbol	Min	Тур	Max	Unit	Test conditions
Collector to base breakdown voltage	$V_{\text{(BR)CBO}}$	60	_	_	V	$I_{c} = 10 \ \mu A, \ I_{E} = 0$
Collector to emitter breakdown voltage	$V_{\text{(BR)CEO}}$	50	_	_	V	$I_C = 1 \text{ mA}, R_{BE} = \infty$
Emitter to base breakdown voltage	$V_{(BR)EBO}$	15	_	_	V	$I_{E} = 10 \ \mu A, \ I_{C} = 0$
Collector cutoff current	I <sub>CBO</sub>	_	_	1	μΑ	$V_{CB} = 50 \text{ V}, I_{E} = 0$
Base to emitter voltage	V <sub>BE</sub>	_	_	0.75	V	$V_{CE} = 6 \text{ V}, I_{C} = 1 \text{ mA}$
DC current transfer ratio	h <sub>FE1</sub>	800	_	2000		$V_{CE} = 6 \text{ V}, I_{C} = 100 \text{ mA}$ (pulse)
	h <sub>FE2</sub>	500	_	_		$V_{CE} = 6 \text{ V}, I_{C} = 1 \text{ mA}$
Collector to emitter saturation voltage	V <sub>CE(sat)</sub>	_	_	0.3	V	$I_{\rm C} = 300 \text{ mA}, I_{\rm B} = 30 \text{ mA}$ (pulse)

Note: Marking is "ZI-".

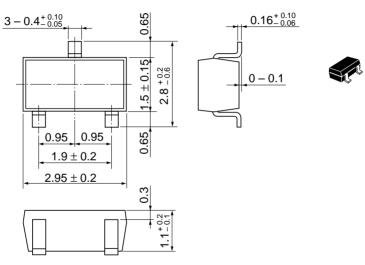


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Unit: mm



Hitachi Code	MPAK
JEDEC	
EIAJ	Conforms
Weight (reference value)	0.011 g

#### **Cautions**

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