XN0F261

Silicon NPN epitaxial planar type

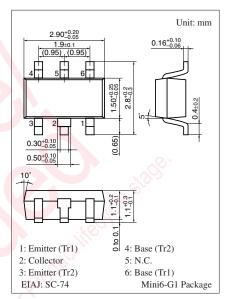
For muting

Features

- Two elements incorporated into one package (Collector-coupled transistors with built-in resistor)
- Reduction of the mounting area and assembly cost by one half

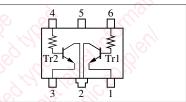
Absolute Maximum Ratings $T_a = 25^{\circ}C$						
Parameter	Symbol	Rating	Unit			
Collector-base voltage (Emitter open)	V _{CBO}	30	v			
Collector-emitter voltage (Base open)	V _{CEO}	20	V			
Emitter-base voltage (Collector open)	V _{EBO}	5	V			
Collector current	I _C	600	mA			
Total power dissipation	P _T	300	mW			
Junction temperature	Т _ј	150	°C			
Storage temperature	T _{stg}	-55 to +150	°C			





Marking Symbol: 6B

Internal Connection



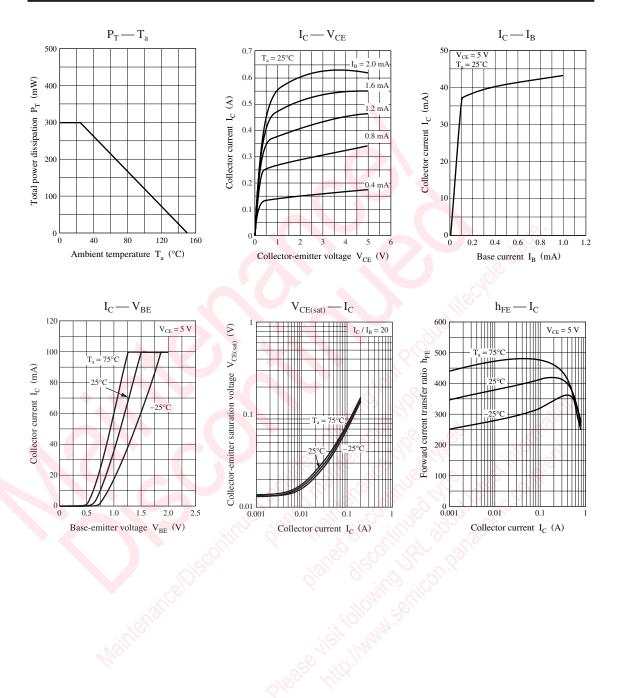
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-base voltage (Emitter open)	V _{CBO}	$I_{\rm C} = 1 \ \mu A, I_{\rm E} = 0$	30			V
Collector-emitter voltage (Base open)	V _{CEO}	$I_{\rm C} = 1 \text{ mA}, I_{\rm B} = 0$	20			V
Emitter-base voltage (Collector open)	V _{EBO}	$I_{\rm E} = 1 \ \mu A, I_{\rm C} = 0$	5			V
Collector-base cutoff current (Emitter open)	I _{CBO}	$V_{CB} = 30 \text{ V}, I_E = 0$			1	μΑ
Emitter-base cutoff current (Collector open)	I _{EBO}	$V_{EB} = 5 V, I_C = 0$			1	μΑ
Forward current transfer ratio	h _{FE}	$V_{CE} = 5 V, I_C = 50 mA$	100		600	_
Collector-emitter saturation voltage	V _{CE(sat)}	$I_{\rm C} = 50 \text{ mA}, I_{\rm B} = 2.5 \text{ mA}$			80	mV
Input resistance	R ₁		-30%	3.3	+30%	kΩ
Transition frequency	f _T	$V_{CB} = 10 \text{ V}, I_E = -50 \text{ mA}, f = 200 \text{ MHz}$		200		MHz

Note) Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

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