DRC2614T

Silicon NPN epitaxial planar type

For digital circuits / muting

■ Features

- Contributes to miniaturization of sets, reduction of component count.
- Eco-friendly Halogen-free package

Packaging

Embossed type (Thermo-compression sealing): 3000 pcs / reel (standard)

■ Absolute Maximum Ratings $T_a = 25$ °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}	I _C 600		
Total power dissipation	P _T	200	mW	
Junction temperature	T_j	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C	

■ Package

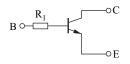
• Code

Mini3-G3-B

- Pin Name
 - 1: Base
 - 2: Emitter
 - 3: Collector

■ Marking Symbol: VT

■ Internal Connection



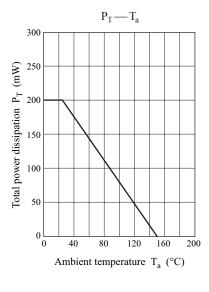
	Resistance value	R_1	10	kΩ
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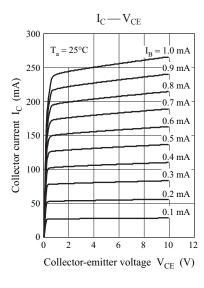
■ Electrical Characteristics $T_a = 25$ °C±3°C

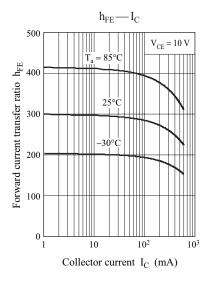
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-base voltage (Emitter open)	V _{CBO}	$I_C = 10 \mu A, I_E = 0$	30			V
Collector-emitter voltage (Base open)	V _{CEO}	$I_{\rm C} = 1 \text{ mA}, I_{\rm B} = 0$	20			V
Emitter-base voltage (Collector open)	V _{EBO}	$I_E = 10 \mu A, I_C = 0$	5			V
Collector-base cutoff current (Emitter open)	I_{CBO}	$V_{\rm CB} = 30 \text{ V}, I_{\rm E} = 0$			1	μΑ
Collector-emitter cutoff current (Base open)	I _{EBO}	$V_{EB} = 5 \text{ V}, I_{C} = 0$			1	μΑ
Forward current transfer ratio	h _{FE}	$V_{CE} = 5 \text{ V}, I_{C} = 50 \text{ mA}$	100		600	_
Collector-emitter saturation voltage	V _{CE(sat)}	$I_C = 50 \text{ mA}, I_B = 2.5 \text{ mA}$			80	mV
Input resistance	R_1		-30%	10	+30%	kΩ
ON resistance	R _{on}	$V_I = 7 \text{ V}, R_L = 1 \text{ k}\Omega, f = 1 \text{ kHz}$		2.5		Ω

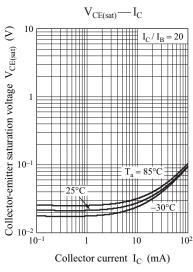
Note) Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

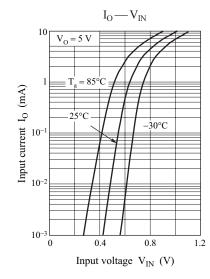
DRC2614T Panasonic

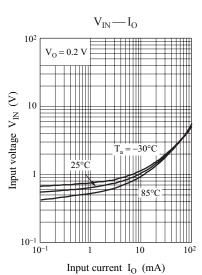






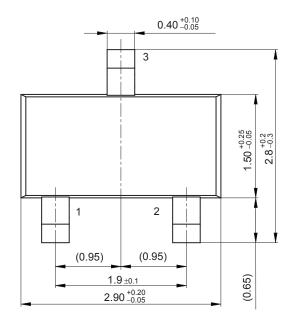


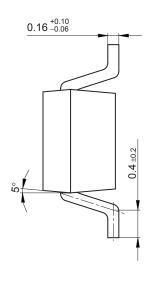


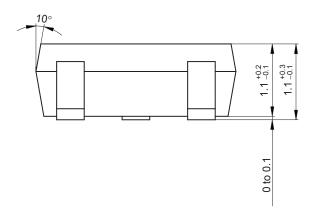


2 Ver. BED

Mini3-G3-B Unit: mm







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