

DATA SHEET

**NEC**

**NPN SILICON RF TRANSISTOR**  
**2SC5801**

**NPN SILICON RF TRANSISTOR FOR  
HIGH-FREQUENCY LOW NOISE  
3-PIN LEAD-LESS MINIMOLD**

**FEATURES**

- Low phase distortion, low voltage operation
- Ideal for OSC applications
- 3-pin lead-less minimold package

**ORDERING INFORMATION**

Part Number	Quantity	Supplying Form
2SC5801	50 pcs (Non reel)	• 8 mm wide embossed taping
2SC5801-T3	10 kpcs/reel	• Pin 2 (Base) face the perforation side of the tape

Remark: To order evaluation samples, contact your nearby sales office.  
The unit sample quantity is 50 pcs.

**ABSOLUTE MAXIMUM RATINGS (T<sub>A</sub> = +25°C)**

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V <sub>CB0</sub>	9.0	V
Collector to Emitter Voltage	V <sub>CE0</sub>	5.5	V
Emitter to Base Voltage	V <sub>EB0</sub>	1.5	V
Collector Current	I <sub>C</sub>	100	mA
Total Power Dissipation	P <sub>tot</sub> <sup>max</sup>	140	mW
Junction Temperature	T <sub>J</sub>	150	°C
Storage Temperature	T <sub>stg</sub>	-65 to +150	°C

Note: Mounted on 1.08 cm<sup>2</sup> × 1.0 mm (t) glass epoxy PCB

Because this product uses high-frequency technology, avoid excessive static electricity, etc.

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