



## DATA SHEET

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	Ratings	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.

The information in this document is subject to change without notice. Before using this document, please confirm that this is the latest version.  
Not all device types available in every country. Please check with local NEC Compound Semiconductor Devices representative for availability and additional information.