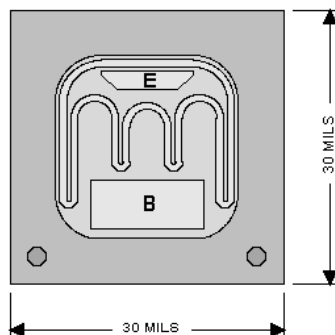




Data Sheet No. 2C3019

Chip Type 2C3019
Geometry 4500
Polarity PNP

Generic Packaged Parts:
2N3019, 2N3057

[Request Quotation](#)

Chip type **2C3019** by Semicoa Semiconductors provides performance similar to these devices.

Part Numbers:

[2N3019](#), [2N3019S](#), [2N3019UB](#), [2N3057](#), [2N3057A](#),
[2N3700](#), [2N3700UB](#), [SD3019F](#), [SQ3019](#), [SQ3019F](#)

Product Summary:

APPLICATIONS: Designed for general purpose switching and amplifier applications.

Features: [Radiation graphs available](#)

Mechanical Specifications

Metallization	Top	Al - 12 kÅ min.
	Backside	Au - 6.5 kÅ nom.
Bonding Pad Size	Emitter	2.3 mils x 7.0 mils
	Base	5.0 mils x 11.0 mils
Die Thickness	8 mils nominal	
Chip Area	30 mils x 30 mils	
Top Surface	Silox Passivated	

Electrical Characteristics

 $T_A = 25^{\circ}\text{C}$

Parameter	Test conditions	Min	Max	Unit
BV_{CBO}	$I_C = 100\text{ }\mu\text{A}$, $I_E = 0$	140	---	V dc
BV_{EBO}	$I_E = 100\text{ }\mu\text{A}$, $I_C = 0$	7.0	---	V dc
I_{CBO}	$V_{CB} = 40\text{ V}$, $I_E = 0$	---	10	nA
h_{FE}	$I_C = 150\text{ mA dc}$, $V_{CE} = 10\text{ V}$	100	300	---

Due to limitations of probe testing, only dc parameters are tested. This must be done with pulse width less than 300 μs , duty cycle less than 2%.

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