

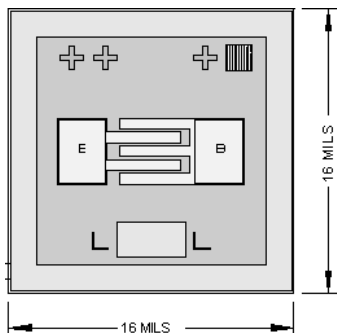


Data Sheet No. 2C2369A

Chip Type 2C2369A
Geometry 0005
Polarity NPN

Generic Packaged Parts:

2N2368, 2N2369, 2N3227,
2N4449

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Chip type **2C2369A** by Semicoa Semiconductors provides performance similar to these devices.

Product Summary:

APPLICATIONS: Designed for high speed switching applications.

Part Numbers:

2N2368, 2N2369A, 2N3227, [2N4449](#)

Features:

- High speed switching capabilities

Mechanical Specifications

Metallization	Top	Al - 17.5 kÅ min.
	Backside	Au - 6.5 kÅ nom.
Bonding Pad Size	Emitter	3.6 mils x 2.8 mils
	Base	3.6 mils x 2.8 mils
Die Thickness	8 mils nominal	
Chip Area	16 mils x 16 mils	
Top Surface	Silox Passivated	

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

Parameter	Test conditions	Min	Max	Unit
BV_{CEO}	$I_C = 10.0 \text{ mA}$, $I_B = 0$	15	---	V dc
BV_{CBO}	$I_C = 10 \mu\text{A}$, $I_E = 0$	40	---	V dc
BV_{EBO}	$I_E = 10 \mu\text{A}$, $I_C = 0$	4.5	10	V dc
h_{FE}	$I_C = 10 \text{ mA dc}$, $V_{CE} = 0.35 \text{ V}$	40	---	---

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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