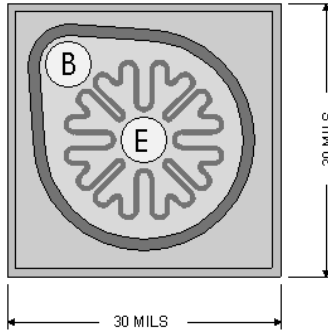


Chip Type 2C3501
Geometry 5620
Polarity NPN

Generic Packaged Parts:
2N3498, 2N3499, 2N3500,
2N3501



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Chip type **2C3501** by Semicoa Semiconductors provides performance similar to these devices.

Product Summary:

APPLICATIONS: Designed for switching and amplifier applications.

Part Numbers:

2N3498, 2N3498L, 2N3499, 2N3499L, 2N3500, 2N3500L, 2N3501, 2N3501L

Features:

Mechanical Specifications		
Metallization	Top	Al - 22.5 kÅ min.
	Backside	Au - 6.5 kÅ nom.
Bonding Pad Size	Emitter	5.0 mils diameter
	Base	5.0 mils diameter
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_{CEO}	$I_C = 10.0 \text{ mA}, I_B = 0$	150	---	V dc
BV_{CBO}	$I_C = 10 \mu\text{A}, I_E = 0$	150	---	V dc
BV_{EBO}	$I_E = 10 \mu\text{A}, I_C = 0$	6.0	---	V dc
I_{CBO}	$V_{CB} = 75 \text{ Vc}, I_E = 0$	---	50	nA
h_{FE}	$I_C = 150 \text{ mA dc}, V_{CE} = 10.0 \text{ V}$	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%.