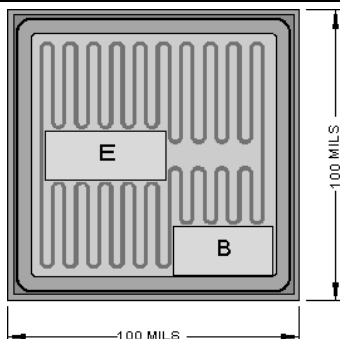


Chip Type 2C5004
Geometry 9202
Polarity NPN

Generic Packaged Parts:
2N5002, 2N5004


[Request Quotation](#)

Chip type **2C5004** by Semicoa Semiconductors provides performance similar to these devices.

Part Numbers:

[2N5002](#), [2N5004](#)

Product Summary:

APPLICATIONS: Designed for medium power amplifier and switching and wide band amplifier applications.

Features:

- Medium power ratings

Mechanical Specifications

Metallization	Top	Al - 37.5 kÅ min.
	Backside	Au - 6.5 kÅ nom.
Bonding Pad Size	Emitter	12 mils x 40 mils
	Base	12 mils x 30 mils
Die Thickness	8 mils nominal	
Chip Area	100 mils x 100 mils	
Top Surface	Silox Passivated	

Electrical Characteristics

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

Parameter	Test conditions	Min	Max	Unit
BV_{CBO}	$I_C = 10 \text{ mA}$, $I_E = 0$	80	---	V dc
I_{CEO}	$V_{CE} = 40 \text{ V}$, $I_B = 0$	---	50	μA
I_{CES}	$V_{CE} = 100 \text{ V}$, $V_{BE} = 0$	---	1.0	mA
I_{EBO}	$V_{EB} = 5.5 \text{ V}$, $I_C = 0$	---	1.0	mA
h_{FE}	$I_C = 50 \text{ mA dc}$, $V_{CE} = 5.0 \text{ V}$	50	---	---

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%.