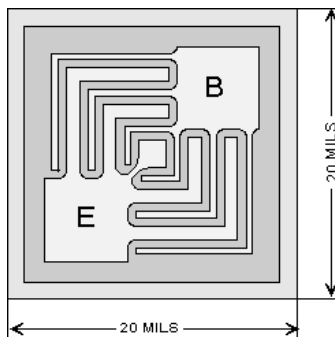


Chip Type 2C2904A
Geometry 0600
Polarity PNP

Generic Packaged Parts:
2N2904A


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Chip type **2C2904A** by Semicoa Semiconductors provides performance similar to these devices.

Part Numbers:

2N2904A, 2N2904, 2N2906A, 2N2906,
 2N2904AUB, SD2904A, SD2904AF, SQ2904A,
 SQ2904AF, 2N3485, 2N3485A

Product Summary:

APPLICATIONS: Designed for general purpose switching and amplifier applications.

Features:

Mechanical Specifications

Metallization	Top	Al - 18 kÅ min.
	Backside	Au - 6.5 kÅ nom.
Bonding Pad Size	Emitter	4.0 mils x 4.0 mils
	Base	4.0 mils x 4.0 mils
Die Thickness	8 mils nominal	
Chip Area	20 mils x 20 mils	
Top Surface	Silox Passivated	

Electrical Characteristics

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

Parameter	Test conditions	Min	Max	Unit
BV_{CEO}	$I_C = 10.0 \text{ mA}, I_B = 0$	60	---	V dc
BV_{CBO}	$I_C = 10 \text{ } \mu\text{A}, I_E = 0$	60	---	V dc
BV_{EBO}	$I_E = 10 \text{ } \mu\text{A}, I_C = 0$	5.0	---	V dc
I_{CBO}	$V_{CB} = 50 \text{ V}, I_E = 0$	---	10	nA
h_{FE}	$I_C = 150 \text{ mA dc}, V_{CE} = 10 \text{ V}$	40	120	---

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%.