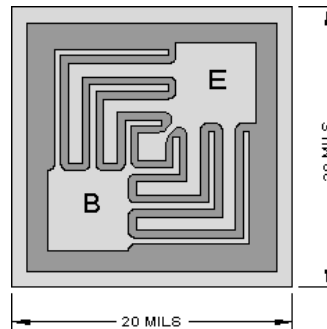


Chip Type 2C2222A
Geometry 0400
Polarity NPN

Generic Packaged Parts:
2N2219, 2N2219A, 2N2222,
2N2222A



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Chip type **2C2222A** by Semicoa Semiconductors provides performance similar to these devices.

Part Numbers:

2N2222A, 2N2222, 2N2219, 2N2219A, 2N2219AL,
 2N2222AUB, SD2222A, SD2222AF, SQ2222A,
 SQ2222AF, 2N5582, 2N6989, 2N6990

Product Summary:

APPLICATIONS: Designed for general purpose switching and amplifier applications.

Features: Medium power ratings

Mechanical Specifications		
Metallization	Top	Al - 24 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°C				
Parameter	Test conditions	Min	Max	Unit
BV _{CEO}	I _C = 10 mA, I _B = 0	40	---	V dc
BV _{CBO}	I _C = 10 µA, I _E = 0	75	---	V dc
BV _{EBO}	I _E = 10 µA, I _C = 0	6.0	---	V dc
I _{CBO}	V _{CB} = 50 V, I _E = 0	---	10	nA dc
h _{FE}	I _C = 150 mA dc, V _{CE} = 10 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%.