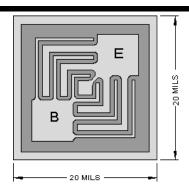


Chip Type 2C2222A Geometry 0400 Polarity NPN

Generic Packaged Parts:

2N2219, 2N2219A, 2N2222, 2N2222A



Request Quotation

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

Part Numbers:

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

Product Summary:

APPLICATIONS: Designed for general purpose switching and amplifier applications.

Features: Medium power ratings

Mechanical Specifications					
Metallization	Тор	AI - 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						
$T_A = 25^{\circ}C$						
Parameter	Test conditions	Min	Max	Unit		
BV _{CEO}	$I_{\rm C} = 10 \text{ mA}, I_{\rm B} = 0$	40		V dc		
BV _{CBO}	$I_{C} = 10 \mu A, I_{E} = 0$	75		V dc		
BV _{EBO}	$I_E = 10 \mu A, I_C = 0$	6.0		V dc		
I _{CBO}	$V_{CB} = 50 \text{ V}, I_{E} = 0$		10	nA dc		
h _{FE}	$I_C = 150 \text{ mA dc}, V_{CE} = 10 \text{ V}$	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%.