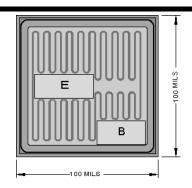




Chip Type 2C5154 Geometry 9201 Polarity NPN

Generic Packaged Parts:

2N4150, 2N51512, 2N5154, 2N5339



Request Quotation

Chip type **2C5154** by Semicoa Semiconductors provides performance similar to these devices.

Part Numbers:

2N3998, 2N3999, 2N4150, 2N4150S, 2N5152, 2N5152L, 2N5154, 2N5154L, 2N5339

Product Summary:

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

Features:

Medium power ratings

Mechanical Specifications					
Metallization	Тор	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						
$T_A = 25^{\circ}C$						
Parameter	Test conditions	Min	Max	Unit		
BV_CBO	$I_C = 10 \text{ mA}, I_E = 0$	80		V dc		
I _{CES}	$V_{CE} = 60 \text{ V}, I_{E} = 0$		1.0	μΑ		
I _{EBO}	$V_{BE} = 4.0 V_{C}, I_{C} = 0$		1.0	μΑ		
h _{FE}	$I_C = 50 \text{ mA dc}, V_{CE} = 5.0 \text{ V}$	50				
h _{FE}	$I_C = 2.5 \text{ A dc}, V_{CE} = 5.0 \text{ V}$	70-200				

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%.