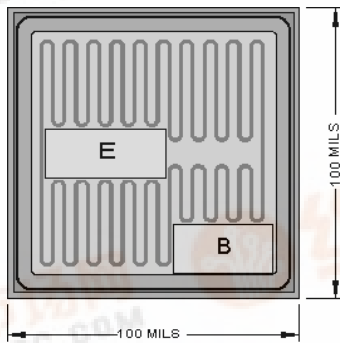




Data Sheet No. 2C5153

Chip Type 2C5153
Geometry 9221
Polarity NPN

Generic Packaged Parts:
2N5003, 2N5005, 2N5151,
2N5153



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Chip type **2C5153** by Semicoa Semiconductors provides performance similar to these devices.

Product Summary:

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

Part Numbers:

2N5003, 2N5005, 2N5151, 2N5151L, 2N5153, 2N5153L

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_{CEO}	$I_C = 10\text{ mA}, I_E = 0$	80	---	V dc
I_{CES}	$V_{CE} = 60\text{ V}, V_{BE} = 0$	---	1.0	μA
I_{EBO}	$V_{EB} = 4.0\text{ V}_C, I_C = 0$	---	1.0	μA
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 200 μs and duty cycle less than 2%.

