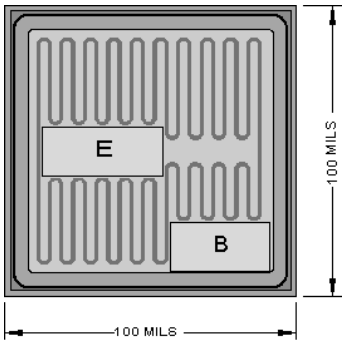
SEMICOA SEMICONDUCTORS

Data Sheet No. 2C5153

Chip Type 2C5153
Geometry 9221
Polarity NPN

Generic Packaged Parts:

2N5003, 2N5005, 2N5151, 2N5153



Request Quotation

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

Part Numbers:

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

Product Summary:

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

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

$T_A = 25^oC$

Parameter	Test conditions	Min	Max	Unit
BV_{CEO}	$I_C = 10$ mA, $I_E = 0$	80	---	V dc
I_{CES}	$V_{CE} = 60$ V, $V_{BE} = 0$	---	1.0	µA
I_{EBO}	$V_{EB} = 4.0$ V$_C$, $I_C = 0$	---	1.0	µA
h_{FE}	$I_C = 50$ mA dc, $V_{CE} = 5.0$ V	50	---	---

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%.