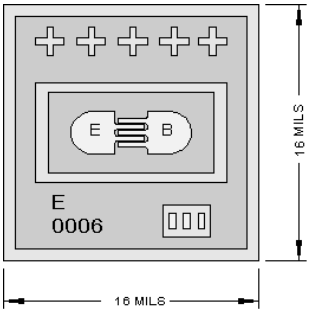
Data Sheet No. 2C4957

Chip Type 2C4957
Geometry 0006
Polarity PNP

Generic Packaged Parts:

2N4957, 2N4958, 2N4959



Request Quotation

Chip type **2C4957** by Semicoa Semiconductors provides performance similar to these devices.

Part Numbers:

2N4957, 2N4957UB, 2N4958, 2N4958UB, 2N4959, 2N4959UB, SD4957, SD4957F, SQ4957, SQ4957F

Product Summary:

APPLICATIONS:
Designed for high-gain, low-noise class A amplifiers, oscillators and mixers.

Features: **Special Characteristics**
ft = 1.6 GHz (typ) at 2.0 mA/10V

Radiation graphs available

Mechanical Specifications

Metallization	Top	Al - 12 kÅ min.
	Backside	Au - 6.5 kÅ nom.
Bonding Pad Size	Emitter	2.3 mils x 2.3 mils
	Base	2.3 mils x 2.3 mils
Die Thickness	8 mils nominal	
Chip Area	16 mils x 16 mils	
Top Surface	Silox Passivated	

Electrical Characteristics

$T_A = 25^oC$

Parameter	Test conditions	Min	Max	Unit
BV_{CEO}	I_C = 1.0 mA	30	---	V dc
BV_{CBO}	I_C = 100 µA	30	---	V dc
BV_{EBO}	I_E = 100 µA	3.0	---	V dc
I_{CBO}	V_{CB} = 10 V dc	---	0.1	µA
h_{FE}	V_{CE} = 10 V, I_C = 2.0 mA	20	150	---

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%.