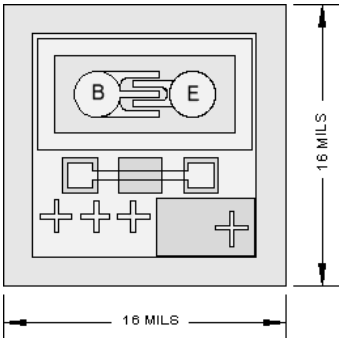
SEMICOA SEMICONDUCTORS

Data Sheet No. 2C2857

Chip Type 2C2857
Geometry 0011
Polarity NPN

Generic Packaged Part:

2N2857



Request Quotation

Chip type **2C2857** by Semicoa Semiconductors provides performance similar to these devices.

Part Numbers:

2N2857, 2N2857UB, SD2857, SD2857F, SQ2857, SQ2857F

Product Summary:

APPLICATIONS: Designed for use in high-gain, low noise amplifier, oscillator, mixer and UHF converters.

Features: ft = 1.2 GHz (typ) at 5 mA/6V

Mechanical Specifications

Metallization	Top	Al - 15 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 = 3.0 mA	15	---	V dc
BV_{CBO}	I_C = 1.0 µA	30	---	V dc
BV_{EBO}	I_E = 10 µA	2.5	---	V dc
I_{CBO}	V_{CB} = 15 V	---	0.01	µA dc
h_{FE}	I_C = 3.0 mA dc, V_{CE} = 1.0 V	30	150	---

Due to limitations of probe testing, only dc parameters are tested. This must be done with pulse width of less than 300 µs, duty cycle less than 2%.