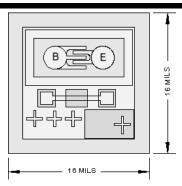


Chip Type 2C2857 Geometry 0011 Polarity NPN Data Sheet No. 2C2857

**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					
	Тор	AI - 15 kÅ min.			
Metallization	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					

Electrical Characteristics $T_A = 25^{\circ}C$						
Parameter	Test conditions	Min	Max	Unit		
BV <sub>CEO</sub>	I <sub>C</sub> = 3.0 mA	15		V dc		
BV <sub>CBO</sub>	I <sub>C</sub> = 1.0 μA	30		V dc		
BV <sub>EBO</sub>	I <sub>E</sub> = 10 μA	2.5		V dc		
I <sub>CBO</sub>	$V_{CB} = 15 V$		0.01	μA dc		
h <sub>FE</sub>	$I_{\rm C}$ = 3.0 mA dc, $V_{\rm CE}$ = 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  $\mu$ s, duty cycle less than 2%.