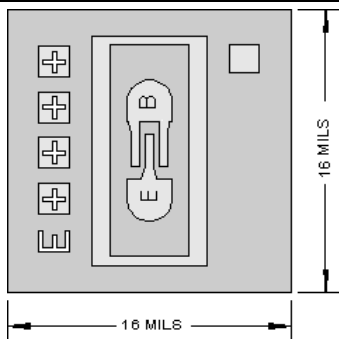


Chip Type 2C918
Geometry 0013
Polarity NPN

Generic Packaged Parts:
2N918


[Request Quotation](#)

Chip type **2C918** by Semicoa Semiconductors provides performance similar to these devices.

Part Numbers:

[2N918](#), 2N918UB, SD918, SD918F, SQ918, SQ918F

Product Summary:

APPLICATIONS: Designed for high frequency oscillator, multiplier and driver applications.

Features:

- High frequency rating

Mechanical Specifications

Metallization	Top	Al - 15 kÅ min.
	Backside	Au - 6.5 kÅ nom.
Bonding Pad Size	Emitter	2.7 mils x 2.7 mils
	Base	2.7 mils x 2.7 mils
Die Thickness	8 mils nominal	
Chip Area	16 mils x 16 mils	
Top Surface	Silox Passivated	

Electrical Characteristics

 $T_A = 25^{\circ}\text{C}$

Parameter	Test conditions	Min	Max	Unit
BV_{CEO}	$I_C = 3.0 \text{ mA}$, $I_B = 0$	15	---	V dc
BV_{CBO}	$I_C = 10 \text{ }\mu\text{A}$, $I_E = 0$	30	---	V dc
BV_{EBO}	$I_E = 10 \text{ }\mu\text{A}$, $I_C = 0$	3.0	---	V dc
I_{CBO}	$V_{CB} = 15 \text{ V}$, $I_E = 0$	---	10	nA
h_{FE}	$I_C = 3.0 \text{ mA dc}$, $V_{CE} = 1.0 \text{ V}$	20	---	---
$V_{CE(sat)}$	$I_C = 30 \text{ mA dc}$, $I_B = 3.0 \text{ mA}$	---	0.3	V dc

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%.