

1. PART NO. EXPRESSION :

SPC4018FT-1R0NZF

(a) (b) (c)(d) (e) (f)(g)(h)

(a) Series code

(b) Dimension code

(c) Powder coating type

(d) Taping package

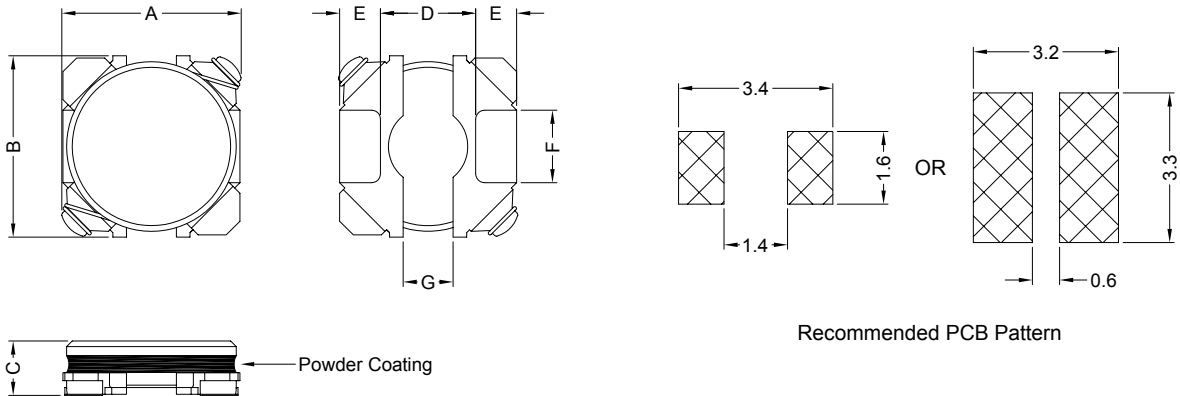
(e) Inductance code : 1R0 = 1.0uH

(f) Tolerance code : M = ±20%, N = ±30%

(g) Z : Standard part

(h) F : RoHS Compliant

2. CONFIGURATION & DIMENSIONS :



Unit:m/m

A	B	C	D	E	F	G
4.0±0.2	4.0±0.3	1.8 Max.	2.1 Typ	0.9 Typ	1.6 Typ	1.1 Typ

3. MATERIALS :

- (a) Core : Ferrite
- (b) Wire : Polyurethane Enamelled Copper Wire
- (c) Terminal Clip : C5191
- (d) Adhesive : Epoxy
- (e) Coating : Powder Coating



RoHS Compliant

NOTE : Specifications subject to change without notice. Please check our website for latest information.

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4. GENERAL SPECIFICATION :

- a) IDC1 : Based on inductance change ($\Delta L/L_0: \leq 30\%$) @ ambient temp. 25°C
- b) IDC2 : Based on temperature rise ($\Delta T: 40^\circ\text{C Typ.}$)
- c) Storage temp. : -40°C to +105°C
- d) Operating temp. : -40°C to +105°C
- e) Resistance to solder heat : 260°C 10secs

5. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μH)	Tolerance	Test Frequency (Hz)	RDC ($\text{m}\Omega$) $\pm 20\%$	IDC1 (A)	IDC2 (A)
SPC4018FT-1R0□ZF	1.0	N	0.1V/100K	50	4.70	1.85
SPC4018FT-1R5□ZF	1.5	M, N	0.1V/100K	60	3.70	1.70
SPC4018FT-2R2□ZF	2.2	M, N	0.1V/100K	74	3.20	1.60
SPC4018FT-3R3□ZF	3.3	M, N	0.1V/100K	97	2.70	1.45
SPC4018FT-4R7□ZF	4.7	M	0.1V/100K	120	2.20	1.30
SPC4018FT-6R8□ZF	6.8	M	0.1V/100K	170	1.80	1.15
SPC4018FT-100□ZF	10	M	0.1V/100K	240	1.50	1.00

Tolerance code : □ : N = $\pm 30\%$
 M = $\pm 20\%$



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