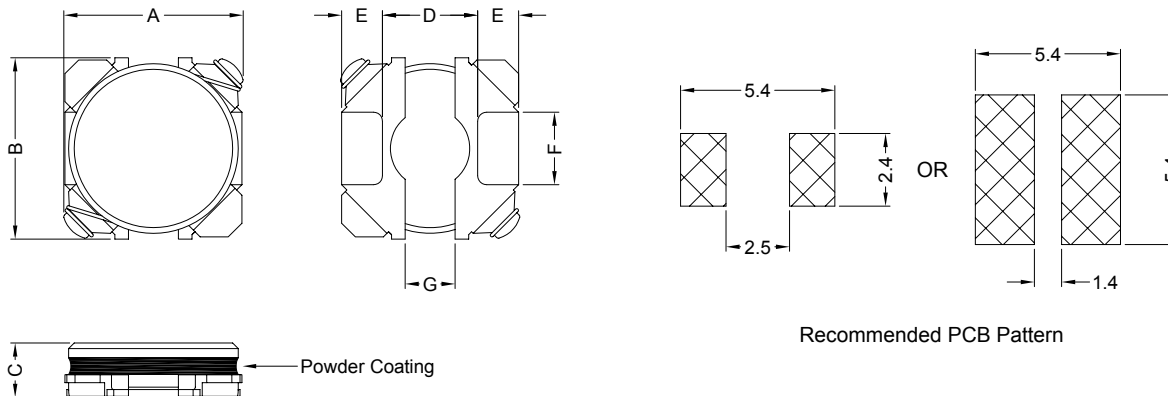


1. PART NO. EXPRESSION :

$\frac{S}{(a)} \frac{P}{(b)} \frac{C}{(c)(d)} \frac{5012FT}{(e)} - \frac{2R2}{(f)(g)(h)} \frac{NZ}{(h)}$

- (a) Series code
- (b) Dimension code
- (c) Powder coating type
- (d) Taping package
- (e) Inductance code : 2R2 = 2.2uH
- (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
5.0±0.2	5.0±0.3	1.2 Max.	2.7 Typ	1.1 Typ	2.0 Typ	1.5 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.

29.06.2009

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 (uH)	Test Frequency (Hz)	RDC (mΩ) $\pm 20\%$	IDC1 (A)	IDC2 (A)
SPC5012FT-2R2NZF	2.2 $\pm 30\%$	0.1V/100K	72	1.90	1.80
SPC5012FT-3R3NZF	3.3 $\pm 30\%$	0.1V/100K	83	1.60	1.65
SPC5012FT-4R7MZF	4.7 $\pm 20\%$	0.1V/100K	130	1.40	1.40
SPC5012FT-6R8MZF	6.8 $\pm 20\%$	0.1V/100K	160	1.10	1.25
SPC5012FT-100MZF	10 $\pm 20\%$	0.1V/100K	250	0.90	1.05



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