

1. PART NO. EXPRESSION :

SPI3015 - 1R5NZF

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

(a) Series code

(b) Dimension code

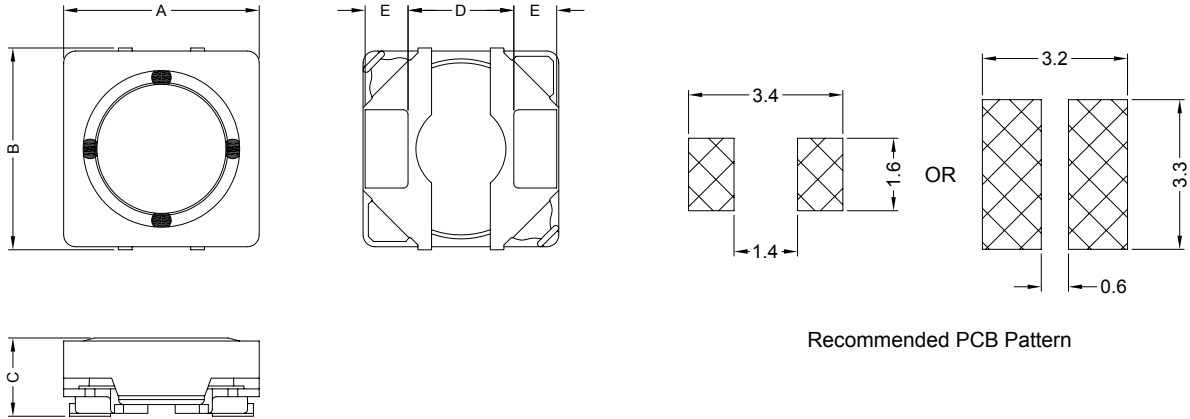
(c) Inductance code : 1R5 = 1.5uH

(d) Tolerance code : M = $\pm 20\%$, N = $\pm 30\%$

(e) Z : Standard part

(f) F : RoHS Compliant

2. CONFIGURATION & DIMENSIONS :



Recommended PCB Pattern

Unit:m/m

A	B	C	D	E	F	G
3.0 \pm 0.2	3.0 \pm 0.3	1.5 Max.	1.5 Typ	0.7 Typ	1.2 Typ	0.7 Typ

3. MATERIALS :

- (a) Core : Ferrite
- (b) Wire : Polyurethane Enamelled Copper Wire
- (c) Terminal Clip : C5191
- (d) Adhesive : Epoxy
- (e) Ink : 70000-00101



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 (uH)	Test Frequency (Hz)	RDC (mΩ) ±20%	IDC1 (A)	IDC2 (A)
SPI3015-1R5NZF	1.5±30%	0.1V/100K	70	2.00	1.66
SPI3015-1R8NZF	1.8±30%	0.1V/100K	80	1.70	1.56
SPI3015-2R2NZF	2.2±30%	0.1V/100K	90	1.50	1.40
SPI3015-2R7NZF	2.7±30%	0.1V/100K	100	1.40	1.30
SPI3015-3R3NZF	3.3±30%	0.1V/100K	110	1.30	1.25
SPI3015-3R9NZF	3.9±30%	0.1V/100K	120	1.20	1.20
SPI3015-4R7MZF	4.7±20%	0.1V/100K	160	1.10	1.10
SPI3015-5R6MZF	5.6±20%	0.1V/100K	170	0.95	1.05
SPI3015-6R8MZF	6.8±20%	0.1V/100K	230	0.90	1.00
SPI3015-8R2MZF	8.2±30%	0.1V/100K	280	0.85	0.95
SPI3015-100MZF	10±20%	0.1V/100K	360	0.75	0.85
SPI3015-120MZF	12±20%	0.1V/100K	420	0.62	0.77
SPI3015-150MZF	15±20%	0.1V/100K	500	0.58	0.67
SPI3015-180MZF	18±20%	0.1V/100K	590	0.54	0.56
SPI3015-220MZF	22±20%	0.1V/100K	720	0.48	0.50
SPI3015-270MZF	27±20%	0.1V/100K	820	0.40	0.45



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