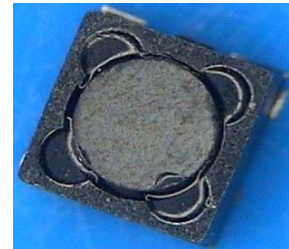


# PIS2D15L(P) Series

## Low Profile SMD Inductors for Power Line (Low Resistance)

### FEATURES

- The PIS2D15L(P) series emphasizes lower resistance for customers' choice
- Magnetically shielded structure that ensures the high-density mounting configurations.
- Flat bottom surface ensures secure, reliable mounting.
- Provided in embossed carrier tape packaging for use with automatic mounting machines.



### APPLICATIONS

Low profile/ low resistance specifically suitable for Portable telephones, hard disk drives, PDA, DSC and other electronic equipments.

### PRODUCT IDENTIFICATION

PIS 2D15L(P) - 3R3 M - T

(1) (2) (3) (4) (5)

(1) Product name

(5) Packaging style

(2) Shapes and Dimensions(LxWxT)

T : taping ; None : Bulk

(3) Inductance

3R3 : 3.3uH ; 100 : 10uH

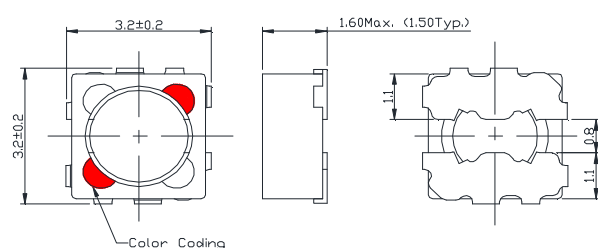
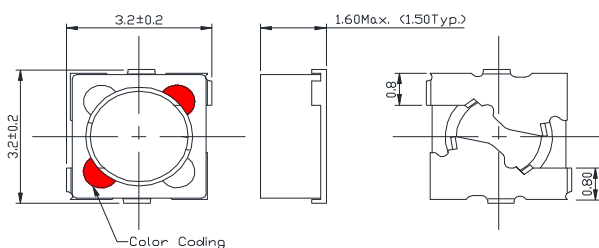
(4) Tolerance

M : ± 20%, N: ± 30%

### SHAPES AND DIMENSIONS(mm)

(1)PIS2D15L

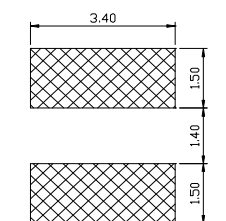
(2)PIS2D15LP



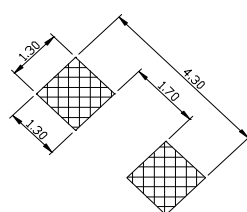
### RECOMMENDED FOOTPRINT(mm)

(1)PIS2D15L

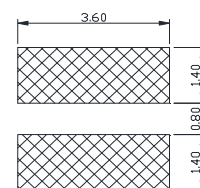
(2)PIS2D15LP



Recommand Pad Layout 1



Recommand Pad Layout 2



Recommand Pad Layout

## PIS2D15L(P) Series

### Low Profile SMD Inductors for Power Line (Low Resistance)

#### ELECTRICAL CHARACTERISTICS

Part Number	Inductance ( $\mu$ H)	Tolerance ( $\pm$ %)	Rdc Typ. ( $\Omega$ )	Idc Typ.(mA)		Irms Typ. (mA) T $\uparrow$ 25°C	Color Coding
				L $\downarrow$ 10%	L $\downarrow$ 35%		
PIS2D15L(P)-1R0□-T	1 / 1KHz	20,30	0.038	1040	1400	1800	Green
PIS2D15L(P)-1R2□-T	1.2 / 1KHz	20,30	0.041	1000	1300	1740	Blue
PIS2D15L(P)-1R5□-T	1.5 / 1KHz	20,30	0.046	940	1220	1700	Violet
PIS2D15L(P)-1R8□-T	1.8 / 1KHz	20,30	0.058	920	1160	1640	Gray
PIS2D15L(P)-2R2□-T	2.2 / 1KHz	20,30	0.066	880	1100	1600	White
PIS2D15L(P)-2R7□-T	2.7 / 1KHz	20,30	0.070	740	930	1450	Green
PIS2D15L(P)-3R3□-T	3.3 / 1KHz	20,30	0.091	680	900	1240	Blue
PIS2D15L(P)-3R9□-T	3.9 / 1KHz	20,30	0.115	620	820	1120	Violet
PIS2D15L(P)-4R7□-T	4.7 / 1KHz	20,30	0.132	600	740	1100	Gray
PIS2D15L(P)-5R6□-T	5.6 / 1KHz	20,30	0.156	580	700	1060	White
PIS2D15L(P)-6R8□-T	6.8 / 1KHz	20,30	0.166	420	620	1000	Green
PIS2D15L(P)-8R2□-T	8.2 / 1KHz	20,30	0.230	400	580	900	Blue
PIS2D15L(P)-100□-T	10 / 1KHz	20	0.244	380	500	800	Violet
PIS2D15L(P)-120□-T	12 / 1KHz	20	0.324	360	440	700	Gray
PIS2D15L(P)-150□-T	15 / 1KHz	20	0.370	360	420	700	White
PIS2D15L(P)-180□-T	18 / 1KHz	20	0.489	300	380	620	Green

1. When ordering, please specify tolerance and packaging codes. Ex: PIS2D15L-3R3M-T

Tolerance : M =  $\pm$  20% , N =  $\pm$  30%

Packaging : Clear tape and reel { standard }.

2. L , Idc : Agilent/HP 4284A, 1KHz with 1V

3. Rdc : DIGITAL MILLIOHM METER Chroma 16502, or equivalent.

4. Idc for Inductance drop 10% or 35% from its value without current.

5. Irms for a 25°C rise above 25°C ambient.

6. Operating temperature range from -25°C to 105°C.

7. Packaging quantity: 1000 pcs/reel

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