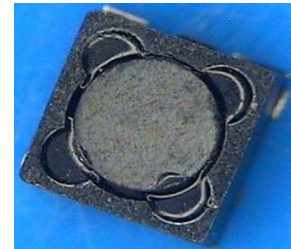


# PIS2D15H(P) Series

## Low Profile SMD Inductors for Power Line (High current)

### FEATURES

- The PIS2D15H(P) series emphasizes higher current 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/ large current specifically suitable for Portable telephones, hard disk drives, PDA, DSC and other electronic equipments.

### PRODUCT IDENTIFICATION

PIS 2D15H(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

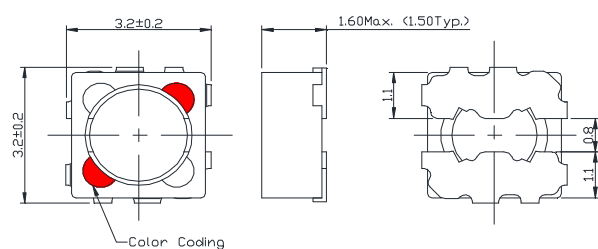
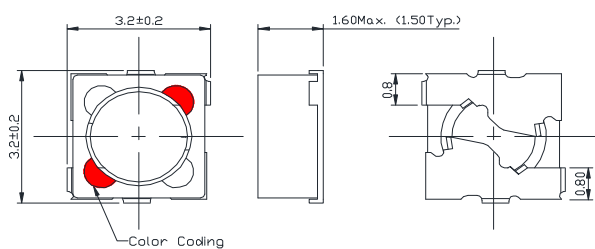
(4) Tolerance

M : ± 20%, N : ± 30%

### SHAPES AND DIMENSIONS(mm)

(1)PIS2D15H

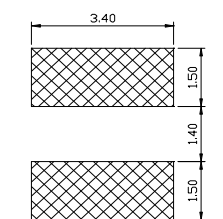
(2)PIS2D15HP



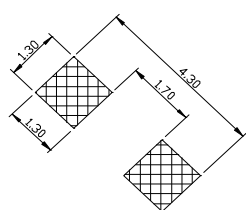
### RECOMMENDED FOOTPRINT(mm)

(1)PIS2D15H

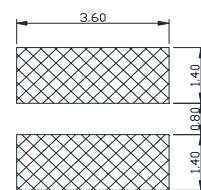
(2)PIS2D15HP



Recommend Pad Layout 1



Recommend Pad Layout 2



Recommend Pad Layout

## PIS2D15H(P) Series

### Low Profile SMD Inductors for Power Line (High current)

#### ELECTRICAL CHARACTERISTICS

Part Number	Inductance (uH)	Tolerance (±%)	Rdc Typ. (Ω)	Idc Typ.(mA)		Irms Typ. (mA) T ↑ 25°C	Color Coding
				L ↓ 10%	L ↓ 35%		
PIS2D15H(P)-R47□-T	0.47 / 1KHz	30	0.04	3000	3400	2200	Black
PIS2D15H(P)-1R0□-T	1 / 1KHz	20,30	0.049	2600	3000	2000	Black
PIS2D15H(P)-1R2□-T	1.2 / 1KHz	30	0.083	2300	2500	1900	Brown
PIS2D15H(P)-1R5□-T	1.5 / 1KHz	20,30	0.09	2100	2500	1500	Brown
PIS2D15H(P)-2R2□-T	2.2 / 1KHz	20,30	0.09	1800	2100	1280	Red
PIS2D15H(P)-3R3□-T	3.3 / 1KHz	20,30	0.149	1500	1720	1100	Orange
PIS2D15H(P)-3R9□-T	3.9 / 1KHz	20,30	0.158	1400	1560	1020	Yellow
PIS2D15H(P)-4R7□-T	4.7 / 1KHz	20,30	0.197	1300	1500	960	Black
PIS2D15H(P)-5R6□-T	5.6 / 1KHz	20,30	0.232	1200	1300	940	Black
PIS2D15H(P)-6R8□-T	6.8 / 1KHz	20,30	0.266	1100	1300	840	Brown
PIS2D15H(P)-100□-T	10 / 1KHz	20	0.403	940	1100	740	Red
PIS2D15H(P)-150□-T	15 / 1KHz	20	0.567	760	860	600	Orange
PIS2D15H(P)-220□-T	22 / 1KHz	20	0.905	600	680	460	Yellow
PIS2D15H(P)-330□-T	33 / 1KHz	20	1.486	440	480	400	Black
PIS2D15H(P)-470□-T	47 / 1KHz	20	1.814	400	440	260	Brown
PIS2D15H(P)-680□-T	68 / 1KHz	20	3.520	290	330	260	Orange
PIS2D15H(P)-101□-T	100 / 1KHz	20	3.840	240	280	240	Black

1. When ordering, please specify tolerance and packaging codes. Ex: PIS2D15H-3R3M-T

Tolerance : M = ± 20% , N = ± 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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