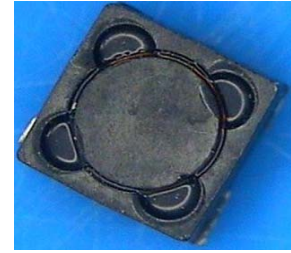


# PIS2D10(P) Series

## Low Profile SMD Inductors for Power Line

### FEATURES

- The PIS2D10(P) series are characterized by low profile, low RDC, and high current handling capacities.
- 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 2D10(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

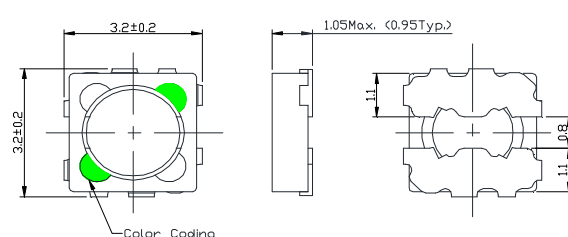
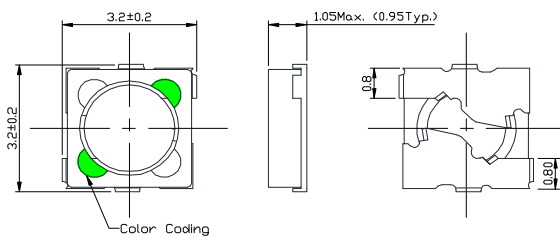
(4) Tolerance

M : ± 20%, N: ± 30%

### SHAPES AND DIMENSIONS(mm)

(1) PIS2D10

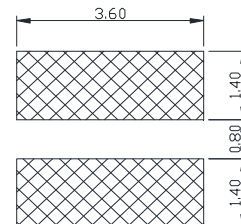
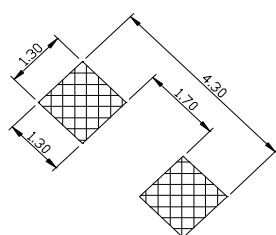
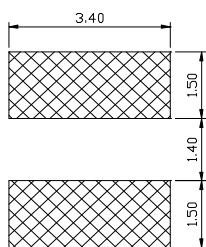
(2) PIS2D10P



### RECOMMENDED FOOTPRINT(mm)

(1) PIS2D10

(2) PIS2D10P



Recommant Pad Layout 1

Recommant Pad Layout 2

Recommant Pad Layout

## PIS2D10(P) Series

### Low Profile SMD Inductors for Power Line

#### ELECTRICAL CHARACTERISTICS

Part Number	Inductance ( $\mu$ H)	Tolerance ( $\pm$ %)	Rdc Typ. ( $\Omega$ )	Idc Typ.(mA)		Irms Typ. (mA)	Color Coding
				L $\downarrow$ 10%	L $\downarrow$ 35%	T $\uparrow$ 25°C	
PIS2D10(P)-1R2□-T	1.2 / 1KHz	20,30	0.07	1000	1400	1500	Black
PIS2D10(P)-1R5□-T	1.5 / 1KHz	20,30	0.087	1000	1360	1400	Brown
PIS2D10(P)-1R8□-T	1.8 / 1KHz	20,30	0.097	900	1240	1350	Red
PIS2D10(P)-2R2□-T	2.2 / 1KHz	20,30	0.136	800	970	1100	Orange
PIS2D10(P)-2R7□-T	2.7 / 1KHz	20,30	0.127	760	940	1100	Yellow
PIS2D10(P)-3R3□-T	3.3 / 1KHz	20,30	0.175	680	880	1000	Green
PIS2D10(P)-3R9□-T	3.9 / 1KHz	20,30	0.2	620	840	900	Blue
PIS2D10(P)-4R7□-T	4.7 / 1KHz	20,30	0.274	600	820	850	Violet
PIS2D10(P)-5R6□-T	5.6 / 1KHz	20,30	0.319	540	720	750	Gray
PIS2D10(P)-6R8□-T	6.8 / 1KHz	20,30	0.33	460	600	700	White
PIS2D10(P)-8R2□-T	8.2 / 1KHz	20,30	0.42	440	580	650	Black
PIS2D10(P)-100□-T	10 / 1KHz	20	0.47	420	540	600	Brown
PIS2D10(P)-120□-T	12 / 1KHz	20	0.675	320	440	550	Red
PIS2D10(P)-150□-T	15 / 1KHz	20	0.8	300	400	500	Orange
PIS2D10(P)-180□-T	18 / 1KHz	20	0.89	300	380	450	Yellow
PIS2D10(P)-220□-T	22 / 1KHz	20	1.1	260	320	400	Green
PIS2D10(P)-330□-T	33 / 1KHz	20	1.6	220	280	340	Blue

1. When ordering, please specify tolerance and packaging codes. Ex: PIS2D10-3R3M-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 .

\* Parts/Reel: 7" 1,000 Tape Width: 12mm

\* All specification are subject to change without notice. Please contact our sales representatives for details.