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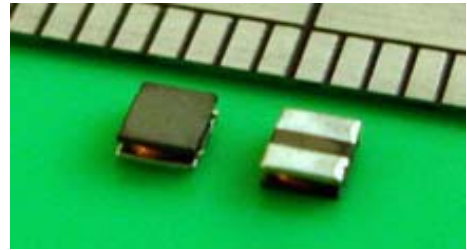
## PIN252010 Series

### Low Profile SMD Inductors for Power Line

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#### FEATURES

- The PIN252010 series are characterized by low profile, low RDC, and high current handling capacities.
- Miniature size for tiny portable DC toDC converter line.
- 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

PIN 252010 - 3R3 M - T

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

(1) Product name

(2) Shapes and Dimensions(LxWxT)

(3) Inductance

3R3 : 3.3uH ; 100 : 10uH

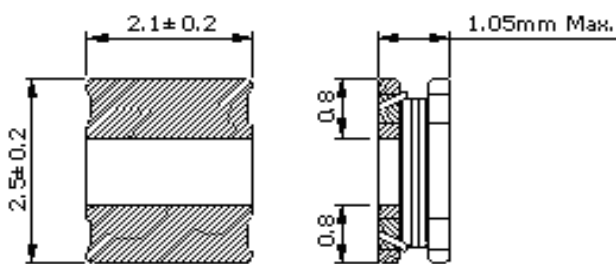
(4) Tolerance

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

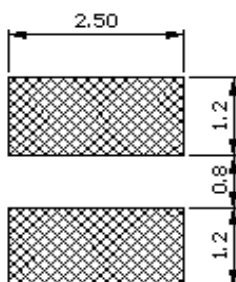
(5) Packaging style

T : taping ; None : Bulk

#### SHAPES AND DIMENSIONS(mm)



#### RECOMMENDED FOOTPRINT(mm)



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#### ELECTRICAL CHARACTERISTICS

Part Number	Inductance ( $\mu$ H)	Tolerance ( $\pm$ %)	Rdc Typ. ( $\Omega$ )	Idc Typ.(mA)	Irms Typ. (mA)
				L $\downarrow$ 10%	T $\uparrow$ 40°C
PIN252010-1R0□-T	1 / 1MHz	20,30	0.11	2000	1900
PIN252010-1R5□-T	1.5 / 1MHz	20,30	0.145	1800	1640
PIN252010-2R2□-T	2.2 / 1MHz	20,30	0.23	1400	1600
PIN252010-3R3□-T	3.3 / 1MHz	20,30	0.295	1200	1100
PIN252010-4R7□-T	4.7 / 1MHz	20,30	0.39	1000	1020
PIN252010-5R6□-T	5.6 / 1MHz	20,30	0.48	960	880
PIN252010-6R8□-T	6.8 / 1MHz	20,30	0.605	840	820
PIN252010-100□-T	10 / 1MHz	20,30	0.79	700	740
PIN252010-220□-T	22 / 1MHz	20,30	1.81	490	460

1. When ordering, please specify tolerance and packaging codes. Ex: PIN252010-3R3M-T

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

Packaging : Clear tape and reel { standard } . \*

2. L , Idc : Agilent/HP 4284A, 1MHz with 200mV

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

4. Idc for Inductance drop 10%.

5. Irms for a 40°C rise above 25°C ambient.

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

7. Packaging quantity: 2000pcs/reel

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

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### ELECTRICAL CHARACTERISTICS

