

# PRODUCT SPECIFICATION

SPEC. NO.

T-0627-129C



## 1. Scope

This specification applies Ferrite Power Inductance PIS2D15LP-Series to be delivered to user.

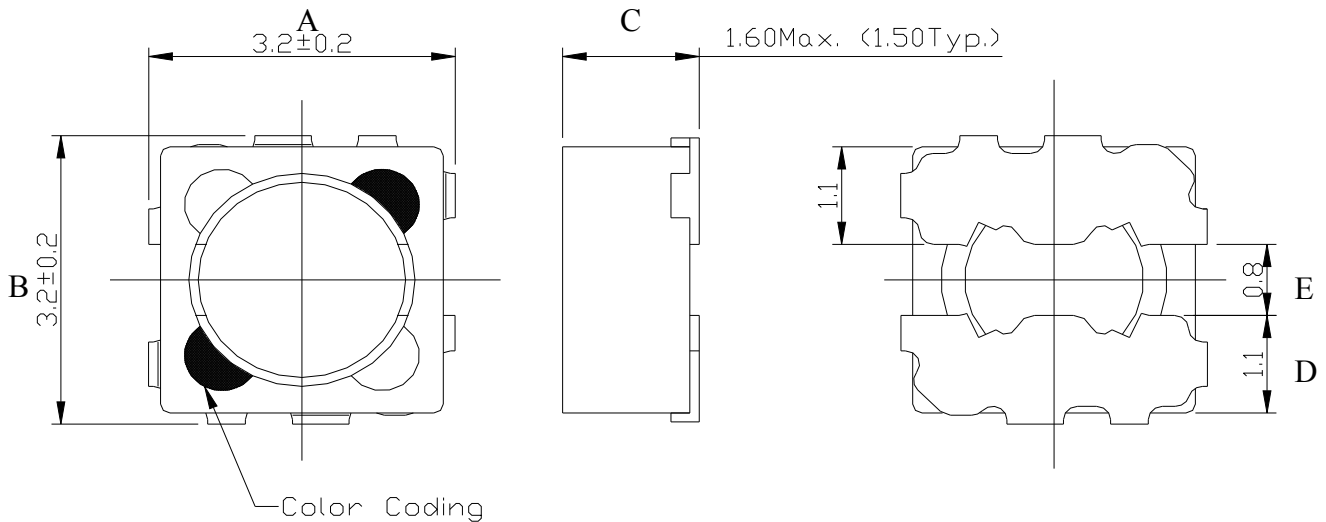
## 2. Product Identification

PIS 2D15LP - 330 □ - T

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

- (1) Product name
- (2) Shapes and dimensions
- (3) Inductance  
330 : 33 uH
- (4) Tolerance  
M=±20% , N=±30%
- (5) Taping Type

## 3. Shapes and Dimensions



A:3.2±0.2 mm  
 B:3.2±0.2 mm  
 C:1.60 Max. (1.50Typ.)mm  
 D:1.10 mm  
 E:0.80 mm

Drawn by	Checked by	Approved by
Gindy Nov. 26, 2019	Zheny Nov. 26, 2019	Sun Nov. 26, 2019

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## 4. Electrical Characteristics

Customer Part Number	Our Product Part Number	Inductance (uH)/KHz	Inductance Tolerance	Rdc Typ (Ω)	Idc Typ (mA)		Irms Typ (mA) T ↑ 25°C	Color Coding
					L ↓ 10%	L ↓ 35%		
	PIS2D15LP-1R0□-T	1.0/1	M N	0.038	1040	1400	1800	Green
	PIS2D15LP-1R2□-T	1.2/1	M N	0.041	1000	1300	1740	Blue
	PIS2D15LP-1R5□-T	1.5/1	M N	0.046	940	1220	1700	Violet
	PIS2D15LP-1R8□-T	1.8/1	M N	0.058	920	1160	1640	Gray
	PIS2D15LP-2R2□-T	2.2/1	M N	0.066	880	1100	1600	White
	PIS2D15LP-2R7□-T	2.7/1	M N	0.070	740	930	1450	Green
	PIS2D15LP-3R3□-T	3.3/1	M N	0.091	680	900	1240	Blue
	PIS2D15LP-3R9□-T	3.9/1	M N	0.115	620	820	1120	Violet
	PIS2D15LP-4R7□-T	4.7/1	M N	0.132	600	740	1100	Gray
	PIS2D15LP-5R6□-T	5.6/1	M N	0.156	580	700	1060	White
	PIS2D15LP-6R8□-T	6.8/1	M N	0.166	420	620	1000	Green
	PIS2D15LP-8R2□-T	8.2/1	M N	0.230	400	580	900	Blue
	PIS2D15LP-100□-T	10.0/1	M /	0.244	380	500	800	Violet
	PIS2D15LP-120□-T	12.0/1	M /	0.324	360	440	700	Gray
	PIS2D15LP-150□-T	15.0/1	M /	0.370	360	420	700	White
	PIS2D15LP-180□-T	18.0/1	M /	0.489	300	380	620	Green
	PIS2D15LP-220□-T	22.0/1	M /	0.560	260	340	480	Blue

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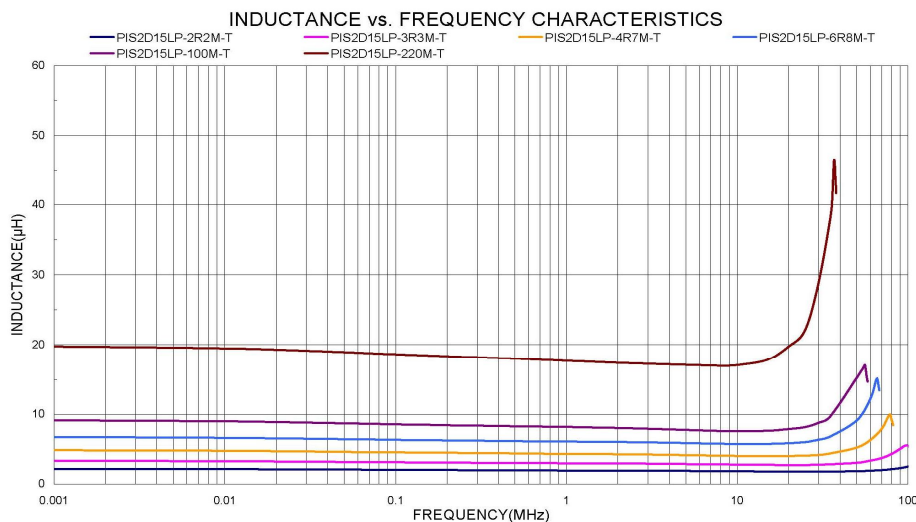
T-0627-129C



## 4. Electrical Characteristics

Customer Part Number	Our Product Part Number	Inductance (uH)/KHz	Inductance Tolerance	Rdc Typ (Ω)	Idc Typ (mA)		Irms Typ (mA) T ↑ 25°C	Color Coding
					L ↓ 10%	L ↓ 35%		
	PIS2D15LP-330□-T	33/1	M	0.99	230	280	470	Violet
	PIS2D15LP-470□-T	47/1	M	1.54	190	230	390	Gray
	PIS2D15LP-331□-T	330/1	M	10.30	70	90	150	Yellow
			N					

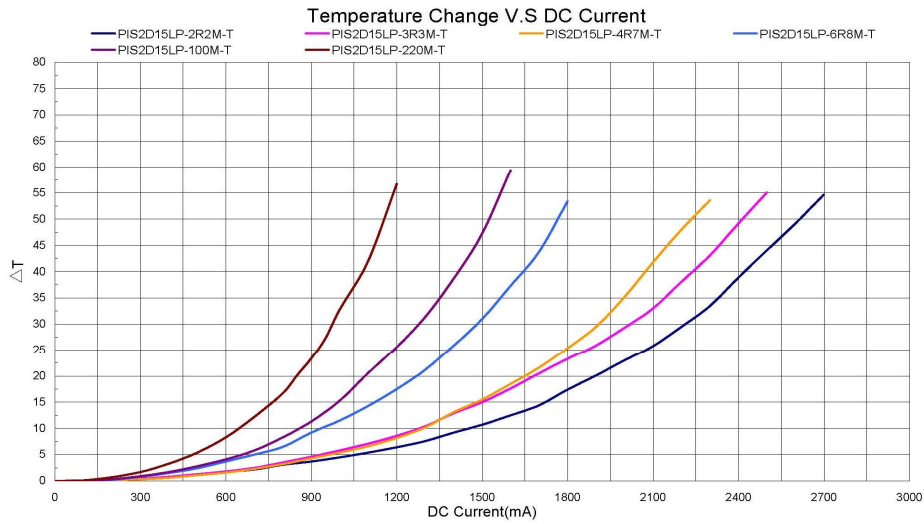
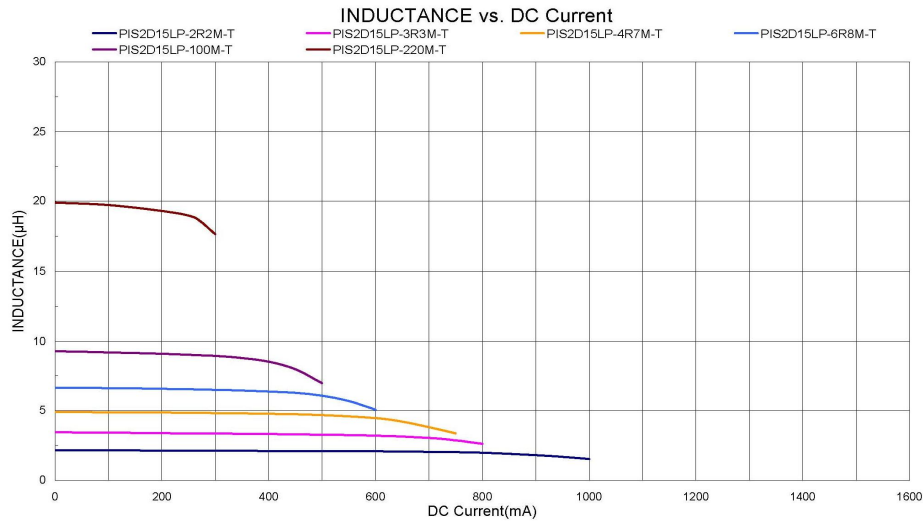
- When ordering, please specify tolerance and packaging codes. Ex : PIS2D15LP-330M-T  
Tolerance : M=20% , N = 30%  
Packaging : Clear tape and reel { standard }.
- L, Idc : Agilent/HP 4284A Precision LCR Meter , 1KHz with 1V.
- Rdc : Chroma Milliohmmeter 16502, or equivalent. (Typ: ±30% tolerance)
- Idc for Inductance drop 10% or 35% from its value without current.
- Irms for a 25°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C.



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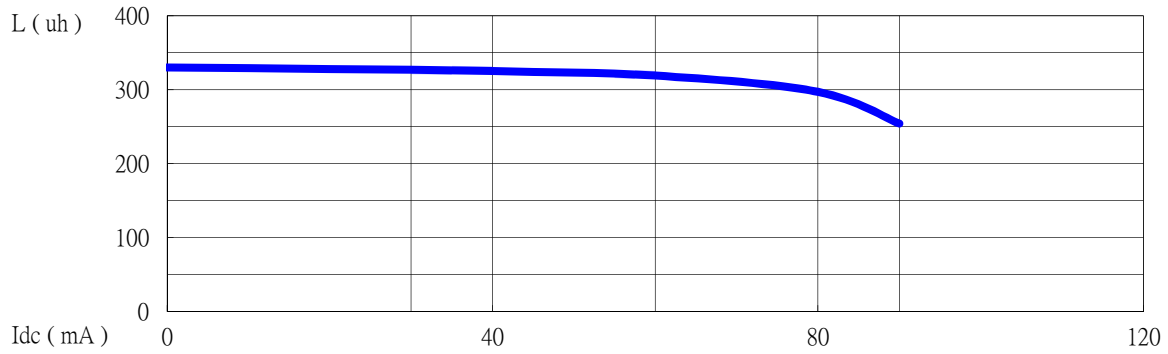
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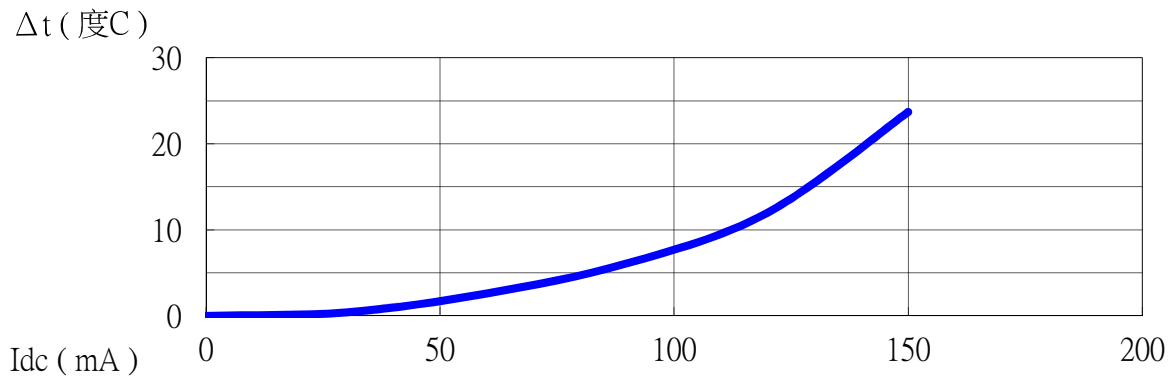
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— PIS - 2D15LP - 331M - T ( L vs I<sub>dc</sub> )



— PIS - 2D15LP - 331M - T ( I<sub>dc</sub> vs I<sub>rms</sub> )



## 5. Material list

Item	Material
Core	Ferrite core
Wire	Copper wire
Epoxy	Epoxy
Base	Copper
Terminal	Cu / Ni / Sn