

# PRODUCT SPECIFICATION

SPEC. NO.

T-0627-127B



## 1. Scope

This specification applies Ferrite Power Inductance PIS2D15HP-Series to be delivered to user.

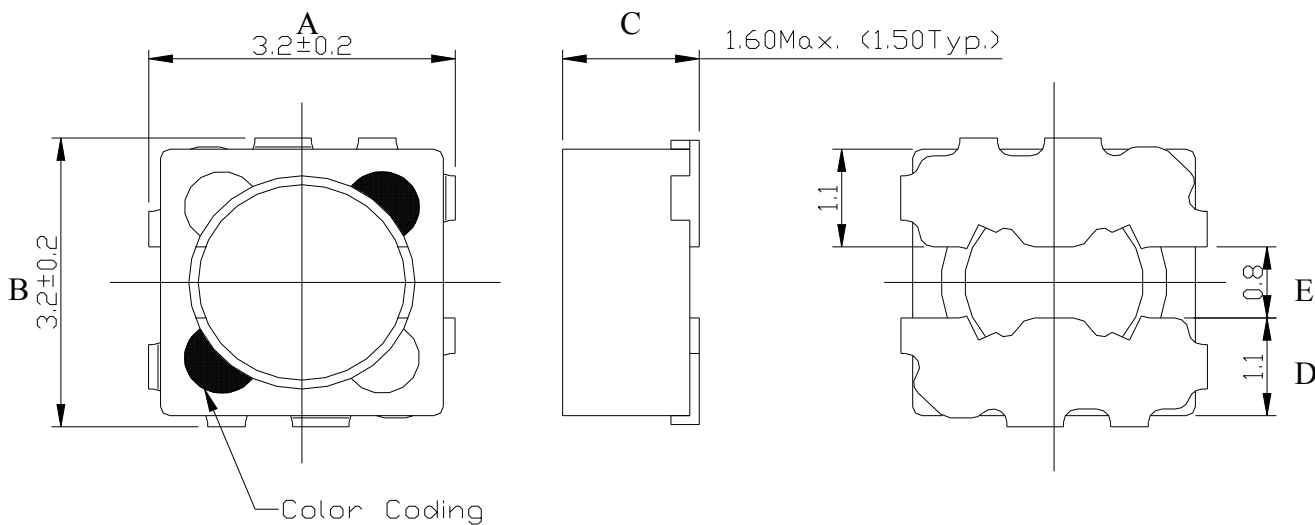
## 2. Product Identification

PIS 2D15HP - 6R8 □ - T

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

- (1) Product name
- (2) Shapes and dimensions
- (3) Inductance  
6R8 : 6.8 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
Cindy Nov. 25, 2019	Zheng Nov. 25, 2019	[Signature] Nov. 25, 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)		Color Coding
					L ↓ 10%	L ↓ 35%	T ↑ 25°C	T ↑ 40°C	
	PIS2D15HP-R47□-T	0.47/1		0.04	3000	3400	2200	3400	Black
	PIS2D15HP-1R0□-T	1.0/1	M	0.049	2600	3000	2000	3000	Black
			N						
	PIS2D15HP-1R2□-T	1.2/1		0.083	2300	2500	1900	2300	Brown
			N						
	PIS2D15HP-1R5□-T	1.5/1	M	0.09	2100	2500	1500	2000	Brown
			N						
	PIS2D15HP-2R2□-T	2.2/1	M	0.090	1800	2100	1280	1800	Red
			N						
	PIS2D15HP-2R7□-T	2.7/1	M	0.120	1600	1800	1200	1700	White
			N						
	PIS2D15HP-3R3□-T	3.3/1	M	0.149	1500	1720	1100	1600	Orange
			N						
	PIS2D15HP-3R9□-T	3.9/1	M	0.158	1400	1560	1020	1500	Yellow
			N						
	PIS2D15HP-4R7□-T	4.7/1	M	0.197	1300	1500	960	1200	Black
			N						
	PIS2D15HP-5R6□-T	5.6/1	M	0.232	1200	1300	940	1100	Black
			N						
	PIS2D15HP-6R8□-T	6.8/1	M	0.266	1100	1300	840	1000	Brown
			N						
	PIS2D15HP-100□-T	10.0/1	M	0.403	940	1100	740	850	Red
	PIS2D15HP-150□-T	15.0/1	M	0.567	760	860	600	700	Orange
	PIS2D15HP-220□-T	22.0/1	M	0.905	600	680	460	580	Yellow
	PIS2D15HP-330□-T	33.0/1	M	1.486	440	480	400	420	Black
	PIS2D15HP-470□-T	47.0/1	M	1.814	400	440	260	390	Brown
	PIS2D15HP-680□-T	68.0/1	M	3.520	290	330	260	350	Orange

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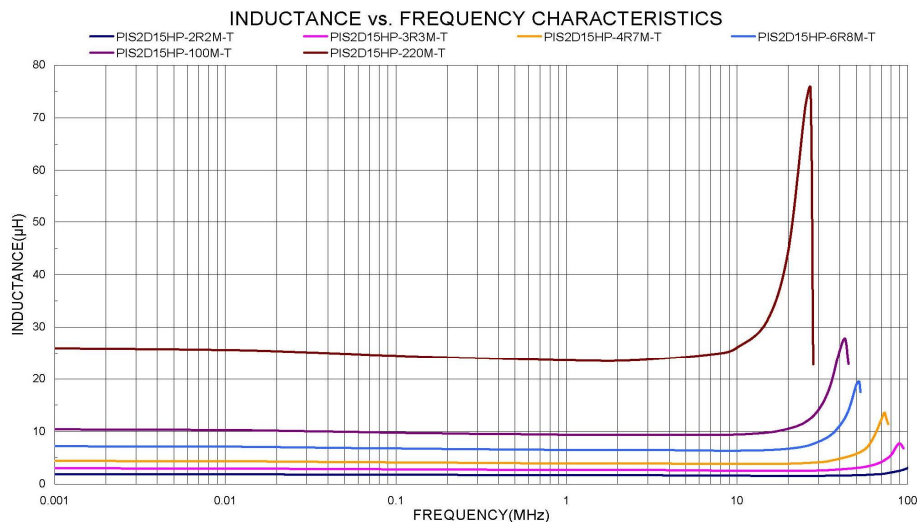
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## 4. Electrical Characteristics

Customer Part Number	Our Product Part Number	Inductance (uH)/KHz	Inductance Tolerance	Rdc Typ (Ω)	Idc Typ (mA)		Irms Typ (mA)		Color Coding
					L ↓ 10%	L ↓ 35%	T ↑ 25°C	T ↑ 40°C	
	PIS2D15HP-820□-T	82/1	M	3.780	270	310	250	340	White
	PIS2D15HP-101□-T	100/1	M	3.840	240	280	240	380	Black

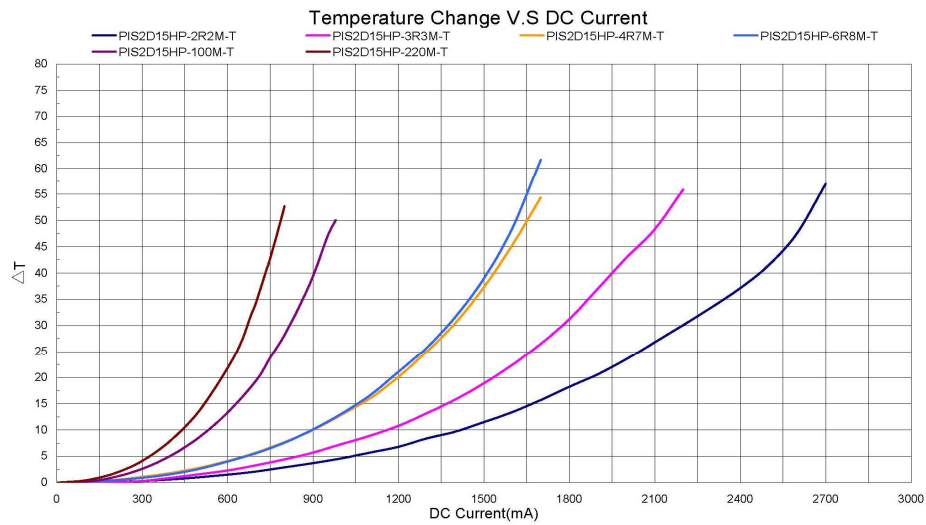
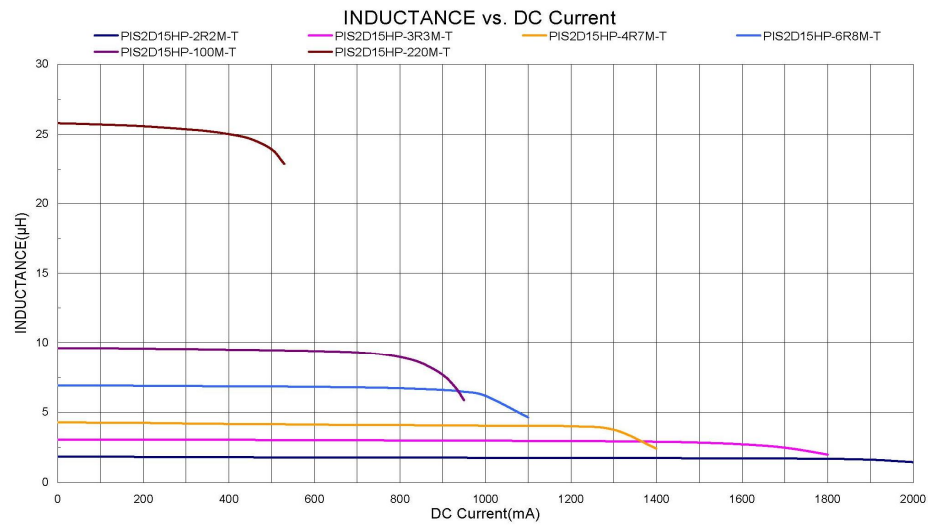
- When ordering, please specify tolerance and packaging codes. Ex : PIS2D15HP-100M-T  
Tolerance : M=±20% , N =± 30%  
Packaging : Clear tape and reel { standard }.
- L, Idc : Agilent/HP 4284A Precision LCR Meter , 1KHz with 1V.
- Rdc : Chroma Milliohmmeter 16502, or equivalent. (Typ: ±30% tolerance)
- Idc for Inductance drop 10% or 35% from its value without current.
- Irms for a 25 or 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C.



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## 5. Material list

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