

PRODUCT SPECIFICATION

SPEC. NO.

T-0627-131D



1. Scope

This specification applies Ferrite Power Inductance PIS2D18HP-Series to be delivered to user.

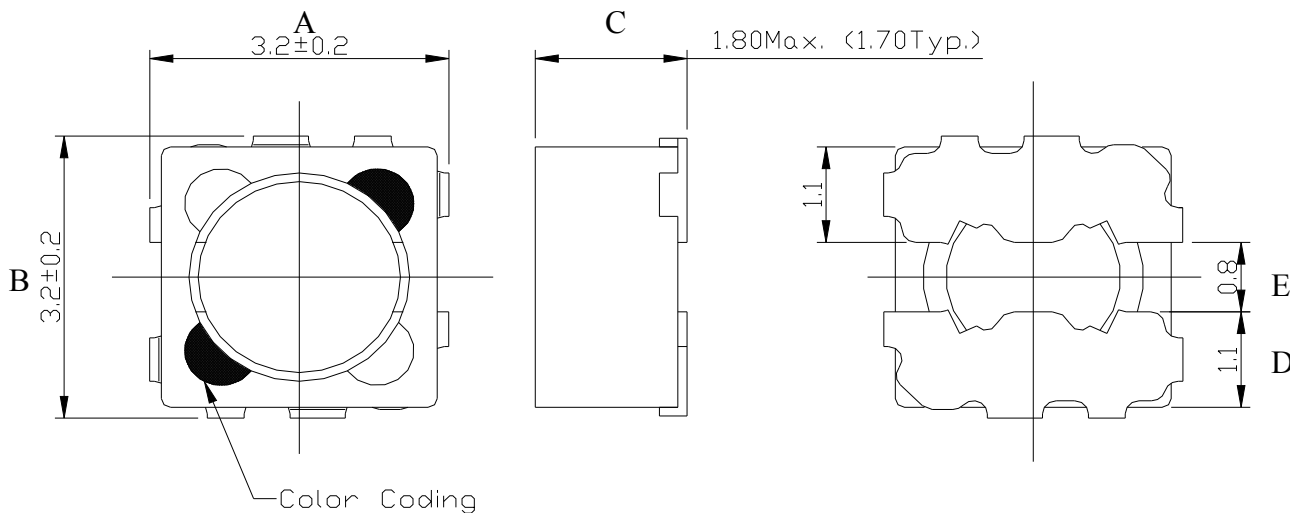
2. Product Identification

PIS 2D18HP - 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:1.80 Max. (1.70Typ.)mm
 D:1.10 mm
 E:0.80 mm

Drawn by	Checked by	Approved by
Cindy Nov. 26. 2019	Zheny Nov. 26. 2019	Su Nov. 26. 2019

PRODUCT SPECIFICATION

SPEC. NO.

T-0627-131D



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%		
	PIS2D18HP-1R0□-T	1.0/1	M	0.045	2600	3000	2000	Black
			N					
	PIS2D18HP-1R5□-T	1.5/1	M	0.070	2100	2400	1900	Orange
			N					
	PIS2D18HP-1R8□-T	1.8/1	M	0.078	2000	2300	1760	Brown
			N					
	PIS2D18HP-2R2□-T	2.2/1	M	0.090	1800	2140	1440	Red
			N					
	PIS2D18HP-2R7□-T	2.7/1	M	0.103	1700	1900	1350	Black
			N					
	PIS2D18HP-3R3□-T	3.3/1	M	0.103	1500	1800	1100	Orange
			N					
	PIS2D18HP-3R9□-T	3.9/1	M	0.135	1500	1780	1050	Yellow
			N					
	PIS2D18HP-4R7□-T	4.7/1	M	0.152	1400	1600	1000	Black
			N					
	PIS2D18HP-5R6□-T	5.6/1	M	0.198	1200	1400	1000	Blue
			N					
	PIS2D18HP-6R8□-T	6.8/1	M	0.223	1200	1400	950	Brown
			N					
	PIS2D18HP-100□-T	10.0/1	M	0.360	920	1020	780	Red
			N					
	PIS2D18HP-120□-T	12.0/1	M	0.410	840	980	680	Orange
			N					
	PIS2D18HP-150□-T	15.0/1	M	0.622	800	900	620	Yellow
			N					
	PIS2D18HP-220□-T	22.0/1	M	0.750	640	740	450	Black
			N					
	PIS2D18HP-270□-T	27.0/1	M	1.100	520	600	440	Blue
			N					
	PIS2D18HP-330□-T	33.0/1	M	1.125	470	520	420	Brown
			N					
	PIS2D18HP-470□-T	47.0/1	M	1.820	390	430	400	Red
			N					

PRODUCT SPECIFICATION

SPEC. NO.

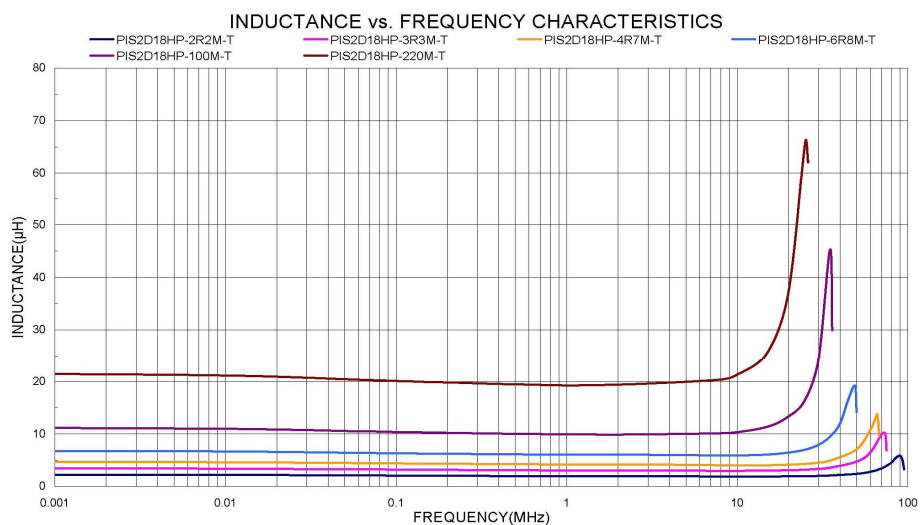
T-0627-131D



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%		
	PIS2D18HP-680□-T	68.0/1	M	2.650	350	390	340	Orange
			N					
	PIS2D18HP-101□-T	100.0/1	M	3.200	300	330	300	Black
			N					
	PIS2D18HP-221□-T	220.0/1	M	10.450	180	200	180	Yellow
			N					
	PIS2D18HP-331□-T	330.0/1	M	13	130	150	120	Green
			N					

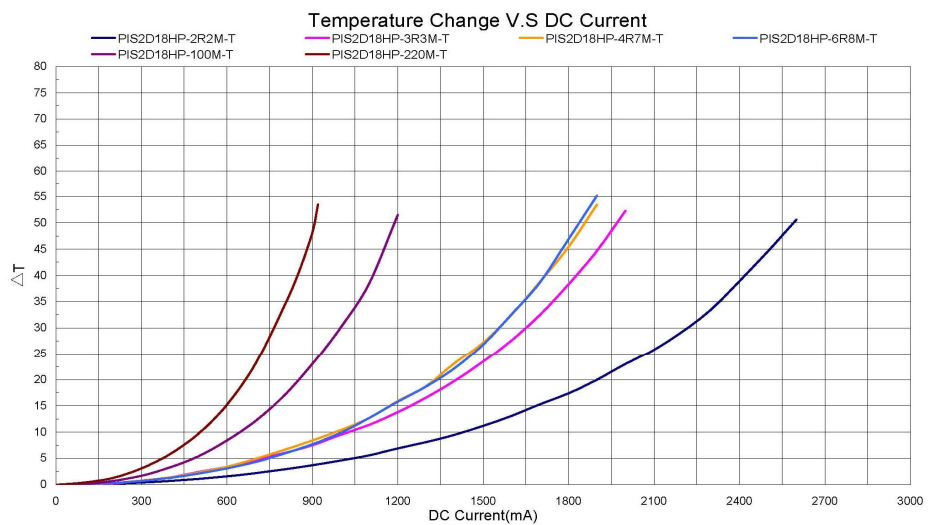
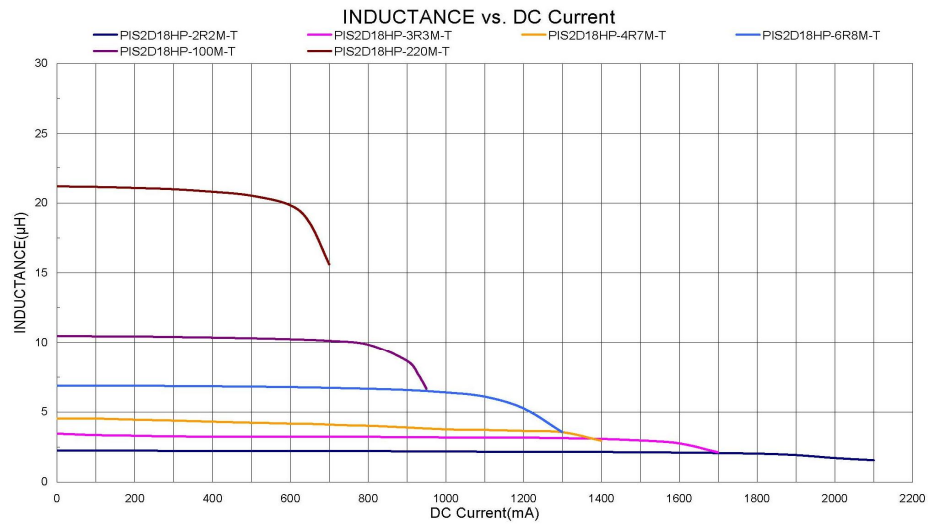
- When ordering, please specify tolerance and packaging codes. Ex: PIS2D18HP-3R3M-T
Tolerance : M=20% , N = 30%
Packaging : Clear tape and reel { standard }.
- L, Idc : Agilent/HP 4284A Precision LCR Meter , 1KHz with 1V.
- Rdc : Chroma Milliohmmeter 16502, or equivalent. (Typ: ±30% tolerance)
- Idc 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.



PRODUCT SPECIFICATION

SPEC. NO.

T-0627-131D



5. Material list

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