

PRODUCT SPECIFICATION

SPEC. NO.

T-0627-136C



1. Scope

This specification applies Ferrite Power Inductance PIS2D10P-Series to be delivered to user.

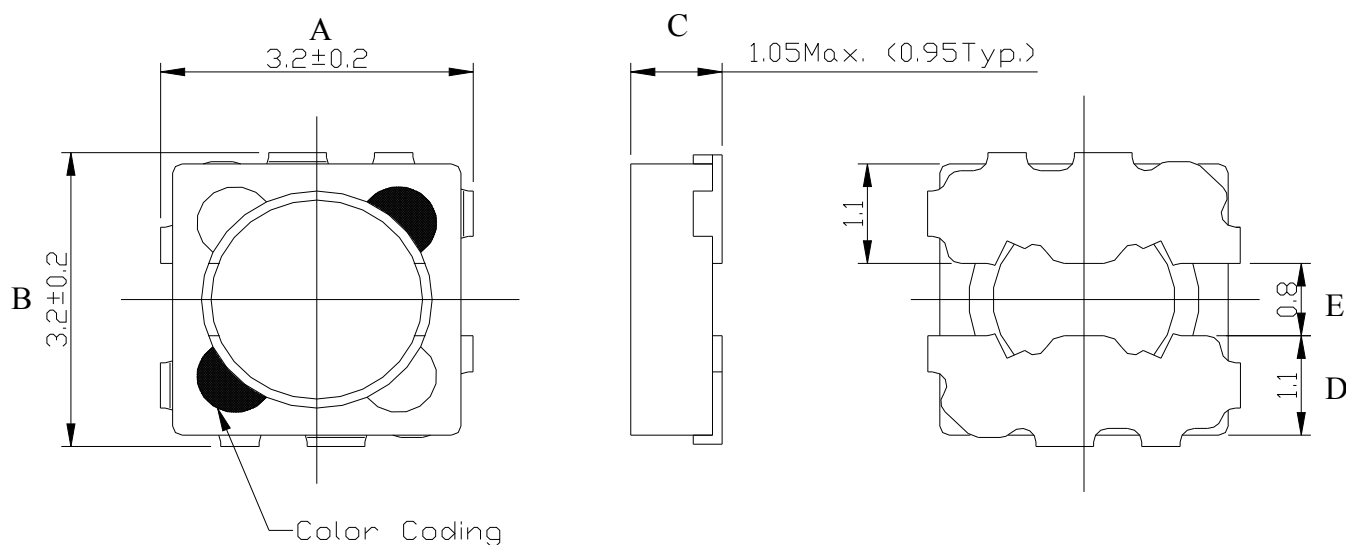
2. Product Identification

PIS 2D10P - 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:1.05 Max. (0.95Typ.)mm
 D:1.10 mm
 E:0.80

Drawn by	Checked by	Approved by
Cindy Nov. 25. 2019	Zheng Nov. 25. 2019	Lin Nov. 25. 2019

PRODUCT SPECIFICATION

SPEC. NO.

T-0627-136C



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	
	PIS2D10P-R33□-T	0.33/1	M N	0.030	1800	2400	2800	3400	Orange
	PIS2D10P-R68□-T	0.68/1	M N	0.055	1100	1500	2000	3000	White
	PIS2D10P-1R0□-T	1.0/1	M N	0.065	1100	1500	1800	2600	Gray
	PIS2D10P-1R2□-T	1.2/1	M N	0.070	1000	1400	1500	2250	Black
	PIS2D10P-1R5□-T	1.5/1	M N	0.087	1000	1360	1400	2000	Brown
	PIS2D10P-1R8□-T	1.8/1	M N	0.097	900	1240	1350	1750	Red
	PIS2D10P-2R2□-T	2.2/1	M N	0.136	800	970	1100	1500	Orange
	PIS2D10P-2R7□-T	2.7/1	M N	0.127	760	940	1100	1600	Yellow
	PIS2D10P-3R3□-T	3.3/1	M N	0.175	680	880	1000	1500	Green
	PIS2D10P-3R9□-T	3.9/1	M N	0.200	620	840	900	1200	Blue
	PIS2D10P-4R7□-T	4.7/1	M N	0.274	600	820	850	1150	Violet
	PIS2D10P-5R6□-T	5.6/1	M N	0.319	540	720	750	1100	Gray
	PIS2D10P-6R8□-T	6.8/1	M N	0.330	460	600	700	1000	White
	PIS2D10P-8R2□-T	8.2/1	M N	0.420	440	580	650	850	Black
	PIS2D10P-100□-T	10.0/1	M	0.470	420	540	600	750	Brown
	PIS2D10P-120□-T	12.0/1	M	0.675	320	440	550	700	Red
	PIS2D10P-150□-T	15.0/1	M	0.800	300	400	500	600	Orange
	PIS2D10P-180□-T	18.0/1	M	0.890	300	380	450	550	Yellow
	PIS2D10P-220□-T	22.0/1	M	1.100	260	320	400	500	Green
	PIS2D10P-270□-T	27.0/1	M	1.600	240	300	340	450	Black
	PIS2D10P-330□-T	33.0/1	M	1.600	220	280	340	450	Blue
	PIS2D10P-470□-T	47.0/1	M	2.430	180	220	240	330	Black

PRODUCT SPECIFICATION

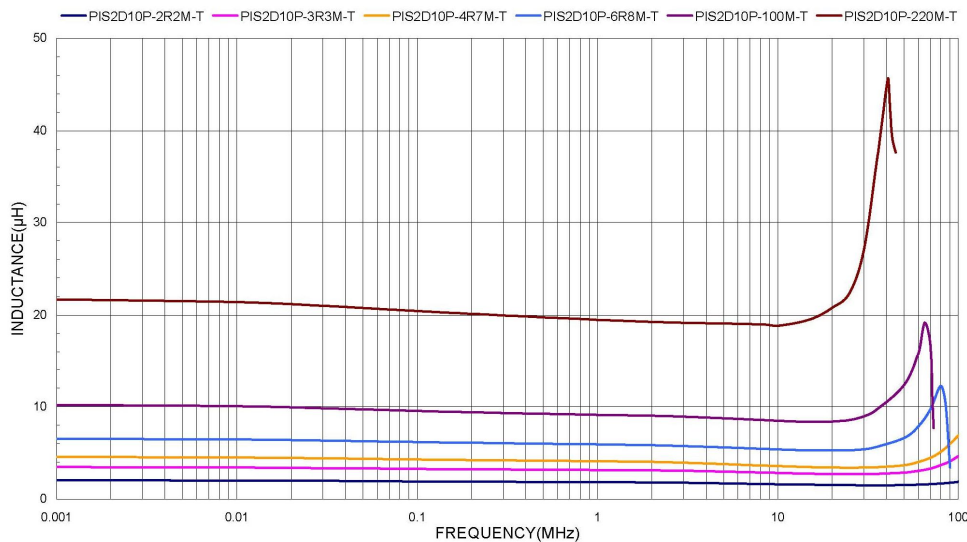
SPEC. NO.

T-0627-136C

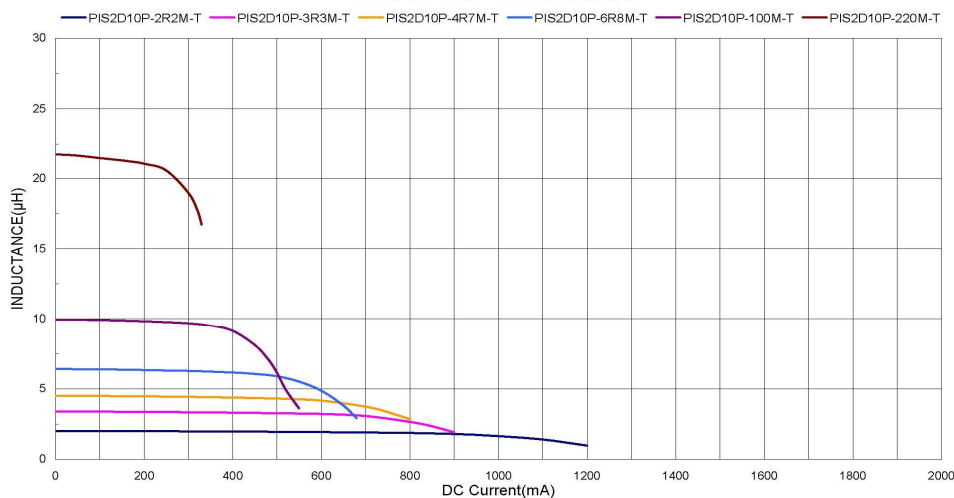


- When ordering, please specify tolerance and packaging codes. Ex: PIS2D10P-3R3M-T
Tolerance : M= $\pm 20\%$, N = $\pm 30\%$
Packaging : Clear tape and reel { standard }.
- L, I_{dc} : Agilent/HP 4284A Precision LCR Meter , 1KHz with 1V.
- R_{dc} : Chroma Milliohmmeter 16502, or equivalent. (Typ: $\pm 30\%$ tolerance)
- I_{dc} for Inductance drop 10% or 35% from its value without current.
- I_{rms} for a 25°C or 40°C rise above 25°C ambient.
- Operating temperature range from -40°C to 105°C.

INDUCTANCE vs. FREQUENCY CHARACTERISTICS



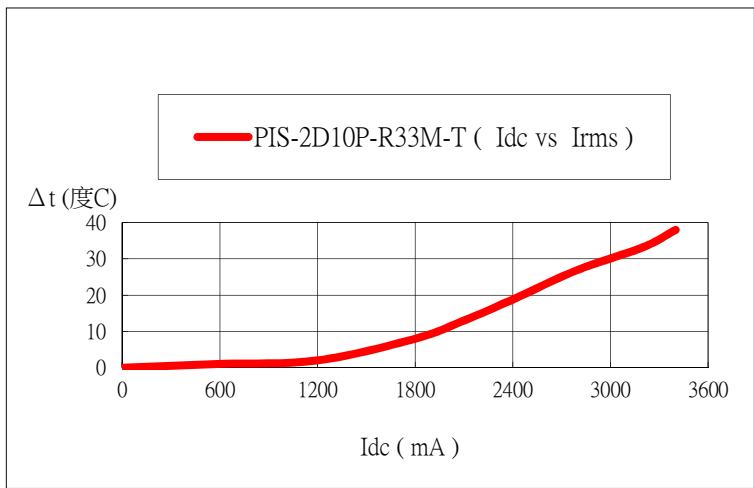
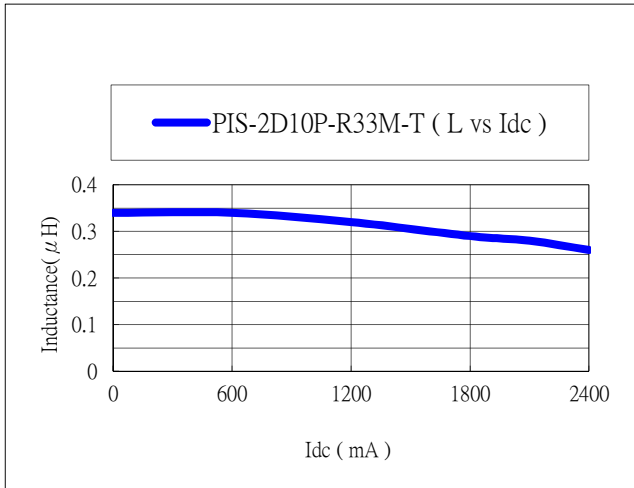
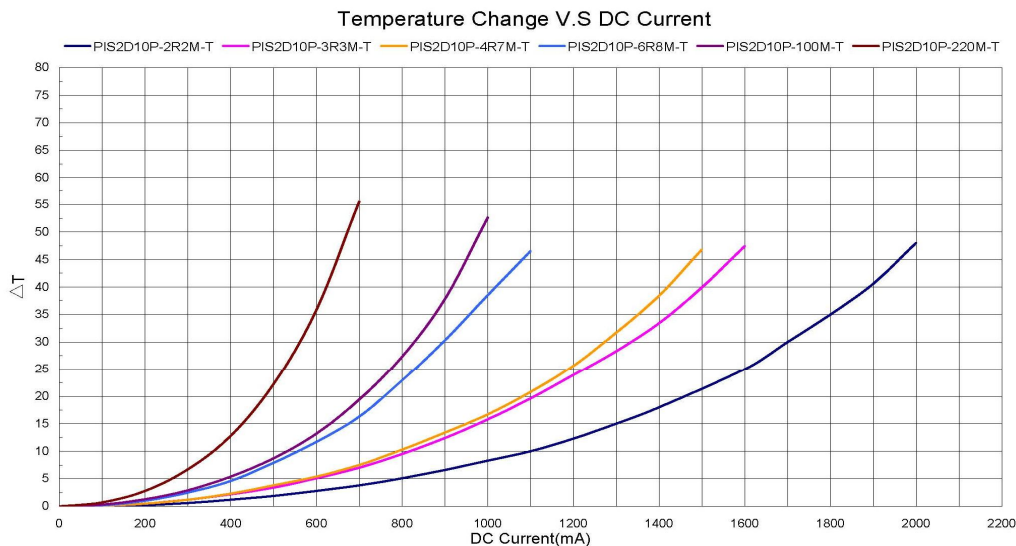
INDUCTANCE vs. DC Current



PRODUCT SPECIFICATION

SPEC. NO.

T-0627-136C



5. Material list

Item	Material
Core	Ferrite core
Wire	Copper wire
Epoxy	Epoxy
Base	Copper