

产 品 手 册

PRODUCT MANUAL

Difference module Inductance

(差膜电感选型表)

Manufacturer: CHSHENYANG

If You Have Any Questions, Please Contact Your Dealer;

The Seller Holds the "CHSHENYANG" Agent or Sales Certificate;

Product Customization Is Acceptable;

Product Description

The products are used in the field of electronic and electrical technology, and can be used in the electronic and electrical industry: automotive electronics, household appliances, industrial equipment, photovoltaic, military, medical and other products can be widely used, and the products have undergone strict reliability testing.



一、Control of hazardous substances (In line with EU standards)

1、RoHS; 2、Halogen; 3、Reach; 4、Svch;

二、Product performance (Reference parameter table)

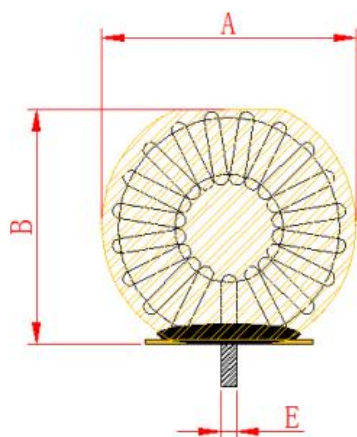
1、Temperature: Class F; 2、Voltage: AC1000; 3、DC-Bace: Parameter list
4、Insulation resistance:DC1000V,10s,1GΩ;

三、Reliability experiment test (AEC-Q200)

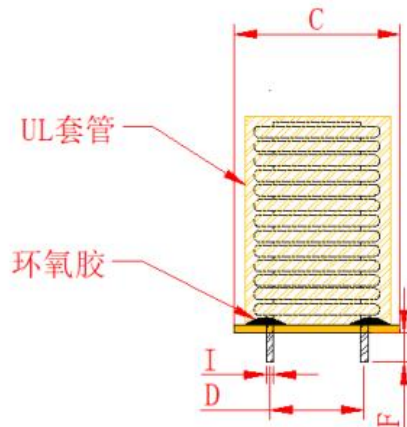
- 1、Electrical performance (Specification)
- 2、High Temperature Exposure (125°C, 1000H)
- 3、Temperature Cycling (-40~125°C, Every 30minutes)
- 4、Biased Humidity (85°C 85%RH, 1000H)
- 5、High Temperature Operation Life Test (125°C, 1000H, Rating Current)
- 6、External Visual (Specification)
- 7、Physical Dimension (Specification)
- 8、Terminal Strength (17.7N, 60s)
- 9、Resistance to Solvents (The solvent, Brush 2-3 times)
- 10、Mechanical Shock (100G, 6ms, 3 axes and 6 directions, 3 times)
- 11、Resistance to Soldering Heat (260°C, 10S, 0.5inch)
- 12、Vibration (10HZ-2000HZ-10HZ, 5G, 4H, 3 Directions.)
- 13、ESD (6KV Air discharge)
- 14、Solderability (8H*155°C, 235°C, 5s, >95%)
- 15、Flammability (UL report)
- 16、Board Flex ((D) x=2 mm, 60+5S)

Product size Drawing

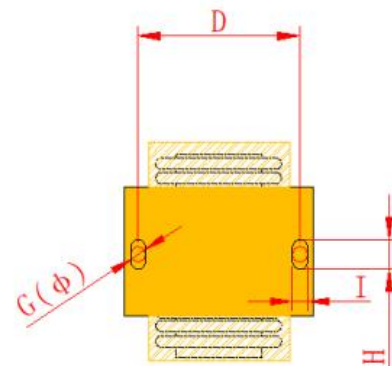
DM-V Inductance



Front view



Side view

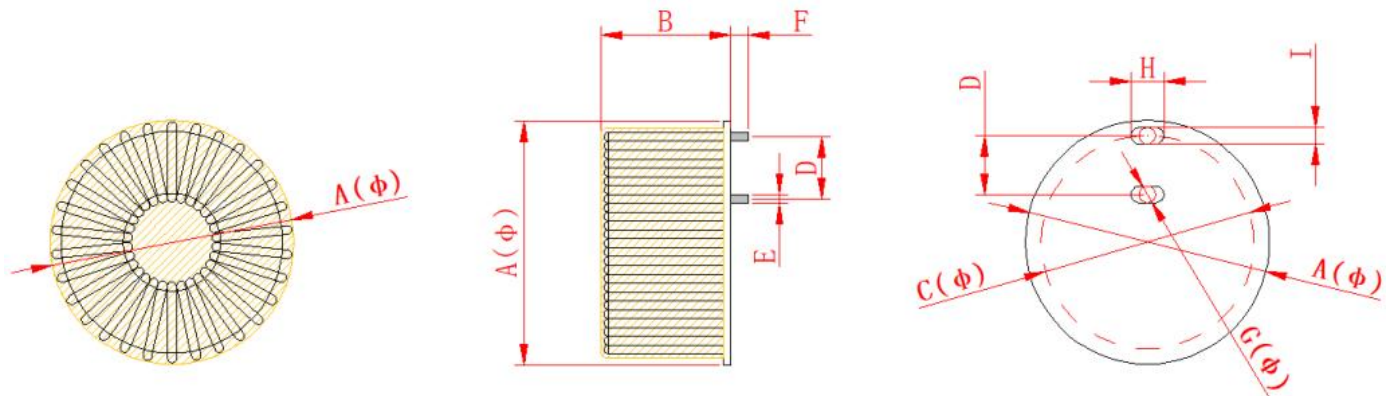


Bottom view

NO.	Model (uH)	A (max)	B (max)	C (max)	D (±0.5)	F (±0.5)	G (±0.3)	H (±0.3)	I (±0.2)	Weight (g)
0A-DM001-V	5A 32uH ±15% 10K	22	22	13	9	3.5	1.2	/	/	
0A-DM002-V	10A 10uH ±15% 10K	22	22	13	9	3.5	/	2.2	1.2	
0A-DM003-V	15A 4uH ±15% 10K	22	22	13	9	3.5	/	3.2	1.2	
0A-DM004-V	10A 20uH ±15% 10K	27	27	17	12	3.5	/	2.3	1.2	
0A-DM005-V	15A 15uH ±15% 10K	27	27	17	12	3.5	/	2.7	1.4	
0A-DM006-V	20A 10uH ±15% 10K	27	27	17	12	3.5	/	3.2	1.7	
0A-DM007-V	15A 40uH ±15% 10K	31	31	20	15	3.5	2	/	/	
0A-DM008-V	20A 14uH ±15% 10K	31	31	20	15	3.5	/	3.2	1.7	
0A-DM009-V	25A 7uH ±15% 10K	31	31	20	15	3.5	/	4.3	1.6	
0A-DM010-V	20A 38uH ±15% 10K	34	34	20	15	3.5	2.1	/	/	
0A-DM011-V	25A 12uH ±15% 10K	34	34	20	15	3.5	/	3.4	1.8	
0A-DM012-V	30A 7uH ±15% 10K	34	34	20	15	3.5	/	4.6	1.7	
0A-DM013-V	20A 58uH ±15% 10K	37	38	26	21	3.5	2.2	/	/	
0A-DM014-V	25A 23uH ±15% 10K	37	38	26	21	3.5	/	3.3	1.8	
0A-DM015-V	30A 13uH ±15% 10K	37	38	26	21	3.5	/	3.7	2.0	
0A-DM016-V	30A 29uH ±15% 10K	40	40	26	21	3.5	/	3.8	2	
0A-DM017-V	40A 11uH ±15% 10K	40	40	26	21	3.5	/	5.3	1.9	
0A-DM018-V	50A 6uH ±15% 10K	40	40	26	21	3.5	/	6.5	1.8	
0A-DM019-V	40A 30uH ±15% 10K	43	42	26	21	3.5	/	4.2	2.2	
0A-DM020-V	50A 18uH ±15% 10K	43	42	26	21	3.5	/	5.6	2	
0A-DM021-V	60A 12uH ±15% 10K	43	42	26	21	3.5	/	7	1.9	

Product size Drawing

DM-H Inductance



Front view

Side view

Bottom view

NO.	Model (uH)	A (max)	B (max)	D (±0.5)	F (±0.5)	G (±0.3)	H (±0.3)	I (±0.2)	Weight (g)
0A-DM001-H	5A 32uH ±15% 10K	22	13	8	3.5	1.2	/	/	
0A-DM002-H	10A 10uH ±15% 10K	22	13	8	3.5	/	2.3	1.2	
0A-DM003-H	15A 4uH ±15% 10K	22	13	8	3.5	/	3.4	1.2	
0A-DM004-H	10A 20uH ±15% 10K	27	17	10	3.5	/	2.3	1.2	
0A-DM005-H	15A 15uH ±15% 10K	27	17	10	3.5	/	2.7	1.4	
0A-DM006-H	20A 10uH ±15% 10K	27	17	10	3.5	/	3.2	1.7	
0A-DM007-H	15A 40uH ±15% 10K	31	20	12	3.5	2	/	/	
0A-DM008-H	20A 14uH ±15% 10K	31	20	12	3.5	/	3.2	1.7	
0A-DM009-H	25A 7uH ±15% 10K	31	20	12	3.5	/	4.3	1.6	
0A-DM010-H	20A 38uH ±15% 10K	34	21	14	3.5	2.2	/	/	
0A-DM011-H	25A 12uH ±15% 10K	34	21	14	3.5	/	3.4	1.8	
0A-DM012-H	30A 7uH ±15% 10K	34	21	14	3.5	/	4.6	1.7	
0A-DM013-H	20A 58uH ±15% 10K	37	23	14	3.5	2.2	/	/	
0A-DM014-H	25A 23uH ±15% 10K	37	23	14	3.5	/	3.3	1.8	
0A-DM015-H	30A 13uH ±15% 10K	37	23	14	3.5	/	3.7	2.0	
0A-DM016-H	30A 29uH ±15% 10K	40	27	14	3.5	/	3.8	2	
0A-DM017-H	40A 11uH ±15% 10K	40	27	14	3.5	/	5.3	1.9	
0A-DM018-H	50A 6uH ±15% 10K	40	27	14	3.5	/	6.5	1.8	
0A-DM019-H	40A 30uH ±15% 10K	43	28	14	3.5	/	4.2	2.2	
0A-DM020-H	50A 18uH ±15% 10K	43	28	14	3.5	/	5.6	2	
0A-DM021-H	60A 12uH ±15% 10K	43	28	14	3.5	/	7	1.9	

Difference module Inductance

Part No	Model (uH)	Frequency (KHz)	TH2826		DCR (mΩ)	Ls-L(DC-Bace)		Rise Temp (℃)	Wire Area	Remarks
			L (uH)	Z (Ω)		A	L			
OA-DM001-V (H)	5A 32uH ±15% 10K	10	31.2	2.0	13.2	3	31.2	6	7.85	
		100	30.2	18.7		5	30.6	12.5		
		200	29.8	36.7		8	29.5	29.3		
		500	29.2	89.5		10	28.2	50.2		
OA-DM002-V (H)	10A 10uH ±15% 10K	10	9.3	0.6	3.9	5	9.2	6	15.71	
		100	9.0	5.2		10	9.0	13.5		
		200	8.8	10.2		15	8.7	26.5		
		500	8.6	25.0		20	8.0	45.7		
OA-DM003-V (H)	15A 4uH ±15% 10K	10	4.2	0.2	1.6	10	4.0	6.5	23.56	
		100	4.1	2.1		15	3.9	13.5		
		200	4.0	4.2		20	3.8	21.4		
		500	3.9	10.2		30	3.4	41.3		
OA-DM004-V (H)	10A 20uH ±15% 10K	10	19.2	1.2	5.1	5	19.1	7.4	15.71	
		100	18.3	11.5		10	18.7	14.1		
		200	17.9	22.6		15	17.9	27.8		
		500	16.7	53.3		20	17.0	53.5		
OA-DM005-V (H)	15A 15uH ±15% 10K	10	14.4	0.9	3.0	10	14.33	9.7	22.62	
		100	13.7	8.6		15	13.9	17.5		
		200	13.4	17.0		20	13.3	27.3		
		500	12.7	40.4		30	7.6	61.5		
OA-DM006-V (H)	20A 10uH ±15% 10K	10	9.3	0.6	2.1	10	9.5	9.3	30.79	
		100	8.8	5.5		20	8.9	18.5		
		200	8.6	10.8		30	8.0	38.2		
		500	8.1	25.8		40	3.3	71.5		
OA-DM007-V (H)	15A 40uH ±15% 10K	10	38.1	2.4	6.1	10	37.2	12.7	22.70	
		100	35.9	22.5		15	35.9	28.3		
		200	35.3	44.4		20	33.9	45.8		
		500	34.2	108.0		25	28.3	66.5		

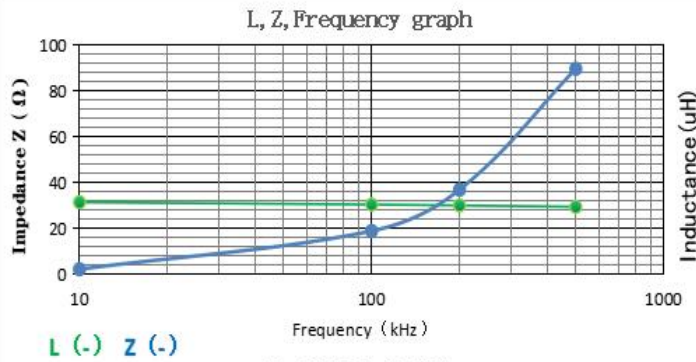
Difference module Inductance

Part No	Model (uH)	Frequency (KHz)	TH2826		DCR (mΩ)	Ls-L (DC-Bace)		Rise Temp (℃)	Wire Area	Remar ks
			L (uH)	Z (Ω)		A	L			
OA-DM008-V (H)	20A 14uH ±15% 10K	10	12.5	0.8	2.5	10	12.4	7.5	30.79	
		100	12.0	7.5		20	12.2	14.2		
		200	11.8	14.8		30	11.7	28.9		
		500	11.5	36.2		40	10.6	66.4		
OA-DM009-V (H)	25A 7uH ±15% 10K	10	6.1	0.4	1.5	20	6.1	14.9	39.82	
		100	5.9	3.7		25	6.0	18.5		
		200	5.8	7.3		30	6.0	23.4		
		500	5.6	17.7		40	5.9	35.9		
OA-DM010-V (H)	20A 38uH ±15% 10K	10	35.1	2.2	5.1	10	35.1	13.4	28.35	
		100	33.4	21.0		20	33.6	24.2		
		200	32.9	41.4		25	29.3	43.1		
		500	32.1	101.2		30	25.1	69.3		
OA-DM011-V (H)	25A 12uH ±15% 10K	10	12.4	0.8	2.4	10	12.7	4.2	35.34	
		100	11.8	7.4		20	12.6	11.5		
		200	11.7	14.7		30	12.3	24.5		
		500	11.4	36.0		40	11.6	50.6		
OA-DM012-V (H)	30A 7uH ±15% 10K	10	6.5	0.4	1.3	20	6.6	11.5	46.18	
		100	6.2	3.9		30	6.6	20.4		
		200	6.2	7.7		35	6.5	24.1		
		500	6.0	18.9		40	6.5	35.7		
OA-DM013-V (H)	20A 58uH ±15% 10K	10	58.4	3.6	6.2	10	55.6	9	28.35	
		100	54.4	34.3		20	44.8	30.1		
		200	53.7	67.7		25	14.4	51.5		
		500	52.3	165.2		30	6.3	80.3		
OA-DM014-V (H)	25A 23uH ±15% 10K	10	22.5	1.4	2.7	20	20.9	19.4	35.34	
		100	21.3	13.4		25	19.9	25.9		
		200	21.0	26.4		30	18.2	37.7		
		500	20.5	64.5		35	13.6	50.4		

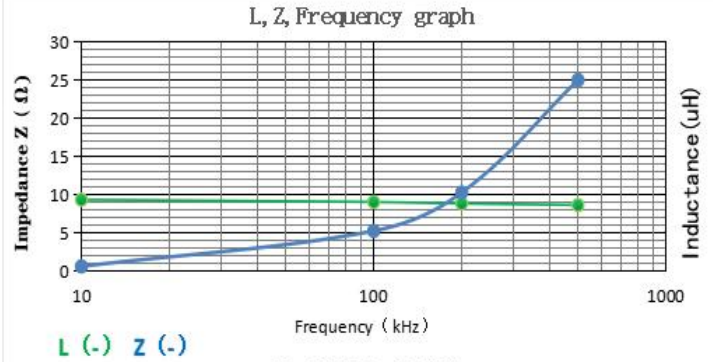
Difference module Inductance

Part No	Model (uH)	Frequency (KHz)	TH2826		DCR (mΩ)	Ls-L (DC-Bace)		Rise Temp (℃)	Wire Area	Remar ks
			L (uH)	Z (Ω)		A	L			
OA-DM015-V (H)	30A 13uH ±15% 10K	10	12.8	0.8	1.7	20	10.4	11.6	45.40	
		100	12.1	7.6		30	10.1	21.8		
		200	11.9	15.0		35	9.8	31.5		
		500	11.6	36.7		40	9.4	44.5		
OA-DM016-V (H)	30A 29uH ±15% 10K	10	27.6	1.7	2.9	20	26.2	15.5	45.40	
		100	26.0	16.4		30	24.0	30.8		
		200	25.3	32.0		35	20.4	40		
		500	23.5	75.2		40	9.8	51.9		
OA-DM017-V (H)	40A 11uH ±15% 10K	10	9.9	0.6	1.6	30	9.7	16.6	60.32	
		100	9.2	5.8		40	9.5	27.7		
		200	9.0	11.3		50	9.2	45.4		
		500	8.3	26.6		60	8.4	63.2		
OA-DM018-V (H)	50A 6uH ±15% 10K	10	5.5	0.4	0.9	40	5.4	17.4	70.69	
		100	5.1	3.2		50	5.3	27.2		
		200	5.0	6.3		60	5.1	43.3		
		500	4.6	14.9		70	4.3	65.3		
OA-DM019-V (H)	40A 30uH ±15% 10K	10	27.6	1.8	2.4	30	24.1	20.4	56.71	
		100	25.9	16.3		40	9.7	39.2		
		200	25.3	31.9		45	3.8	47.6		
		500	23.5	75.2		50	2.7	60.5		
OA-DM020-V (H)	50A 18uH ±15% 10K	10	16.8	1.1	1.7	40	14.4	29.4	68.09	
		100	15.7	9.9		50	7.5	45.7		
		200	15.3	19.3		55	2.8	58.2		
		500	14.1	45.3		60	1.9	70.2		
OA-DM021-V (H)	60A 12uH ±15% 10K	10	10.4	0.7	1.1	50	8.9	26.7	80.42	
		100	9.6	6.1		60	6.7	40.6		
		200	9.4	11.9		65	6.2	60.1		
		500	8.6	27.8		70	5.6	72.3		

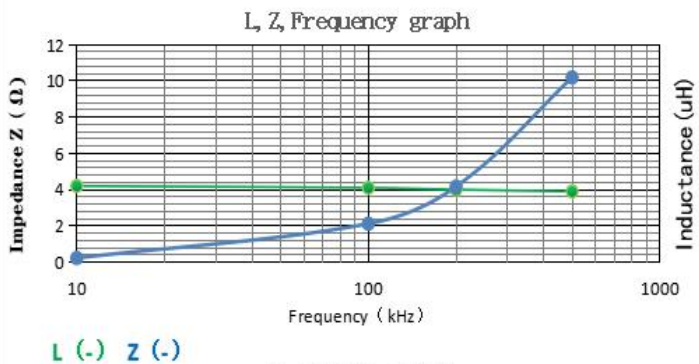
L,Z, Frequency graph



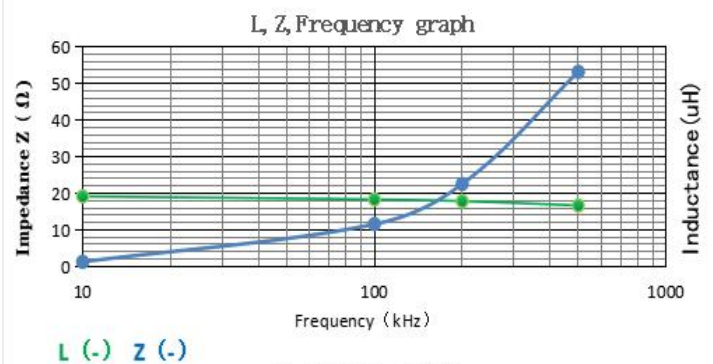
OA-DM001-V (H)



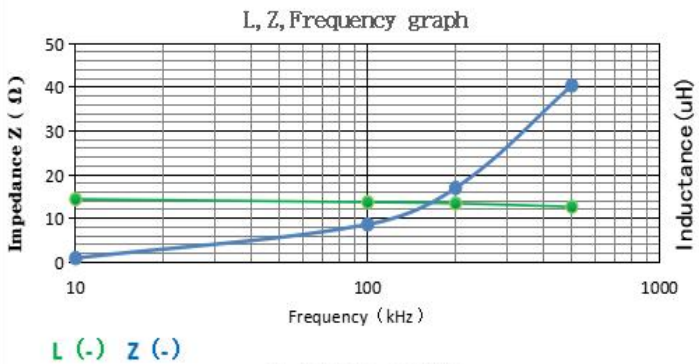
OA-DM002-V (H)



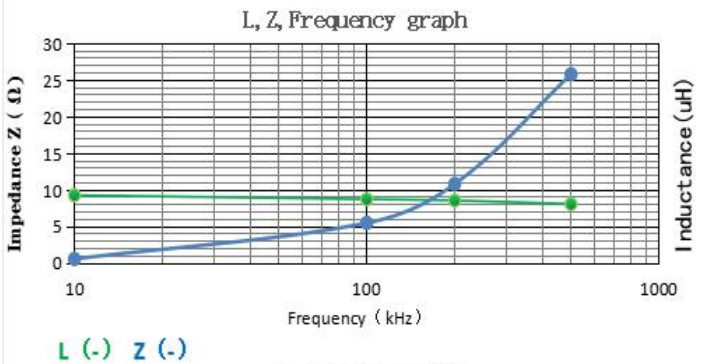
OA-DM003-V (H)



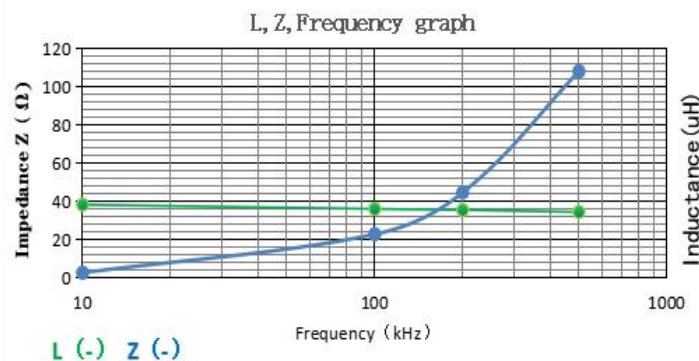
OA-DM004-V (H)



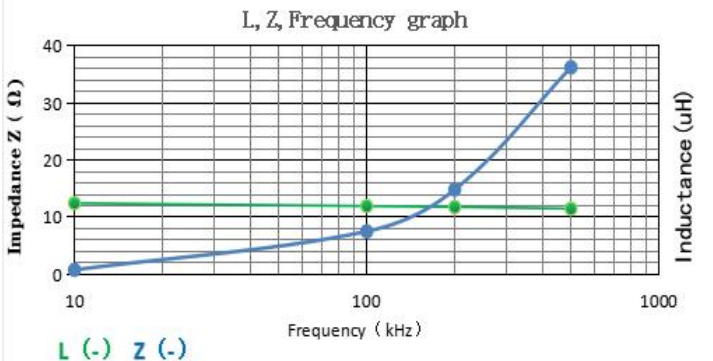
OA-DM005-V (H)



OA-DM006-V (H)

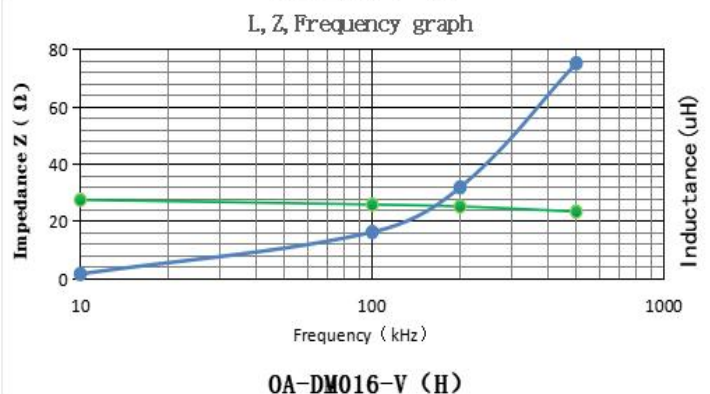
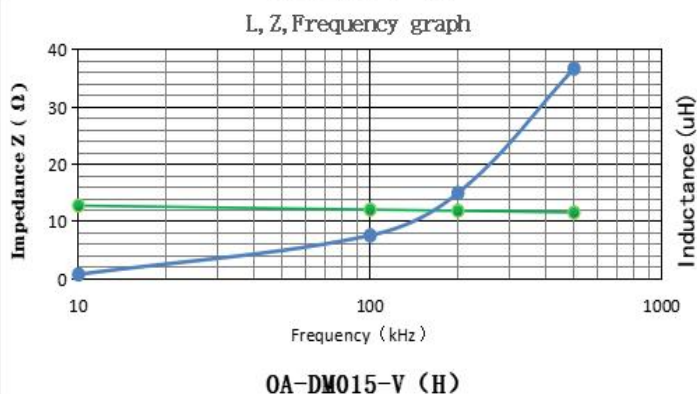
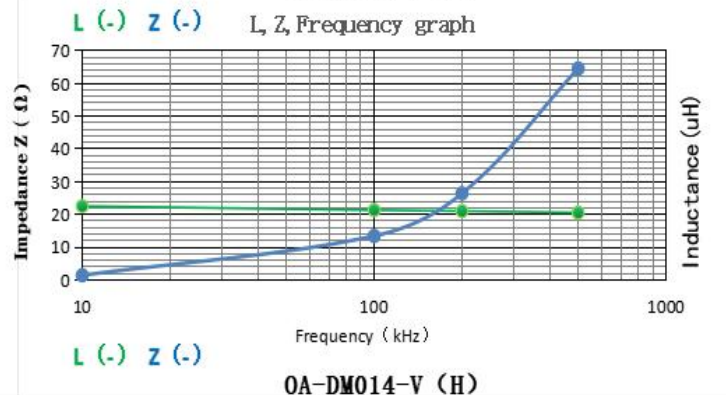
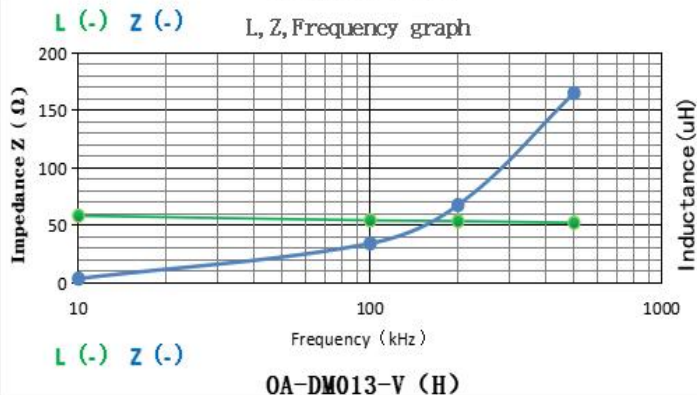
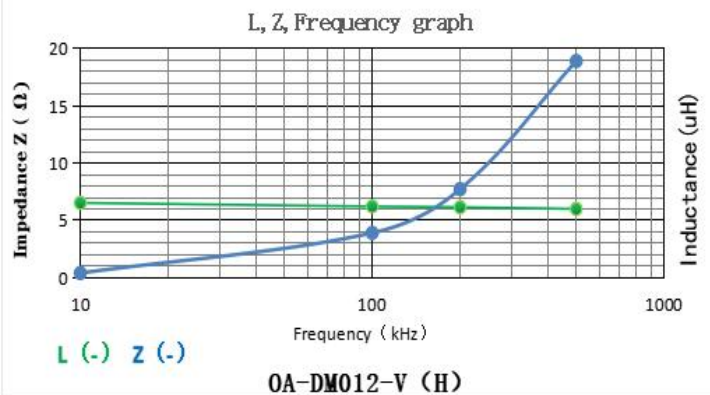
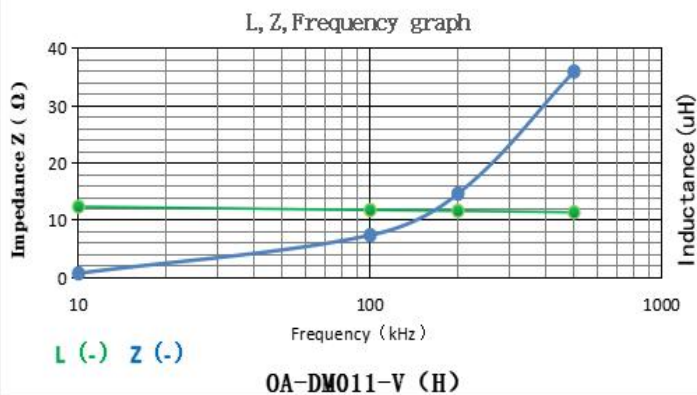
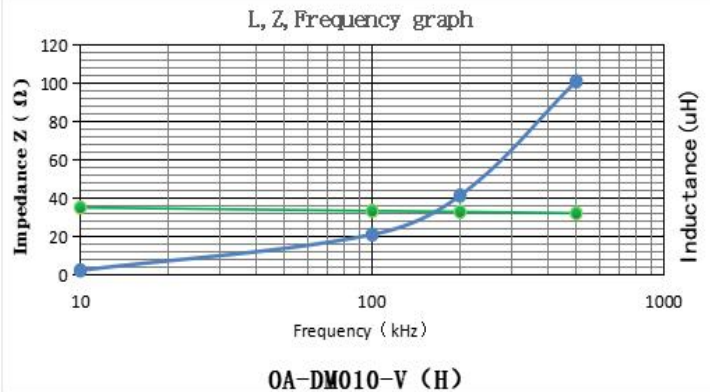
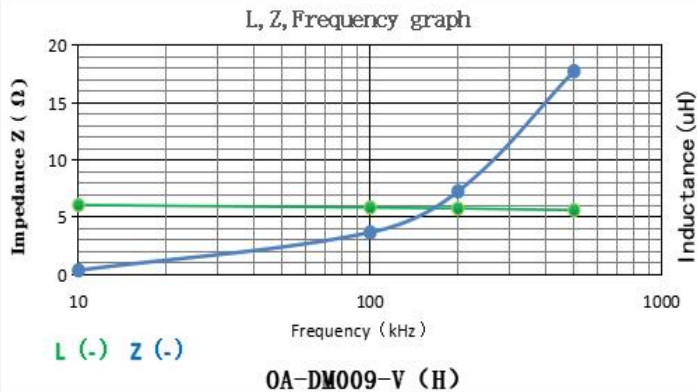


OA-DM007-V (H)

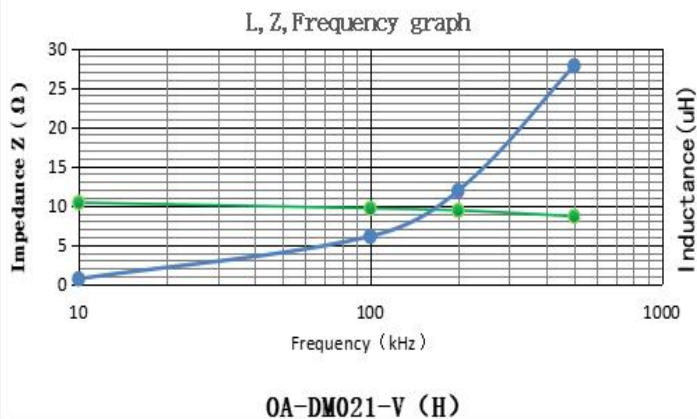
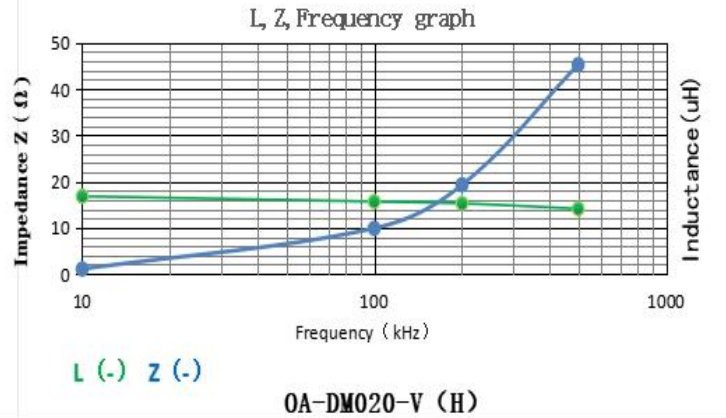
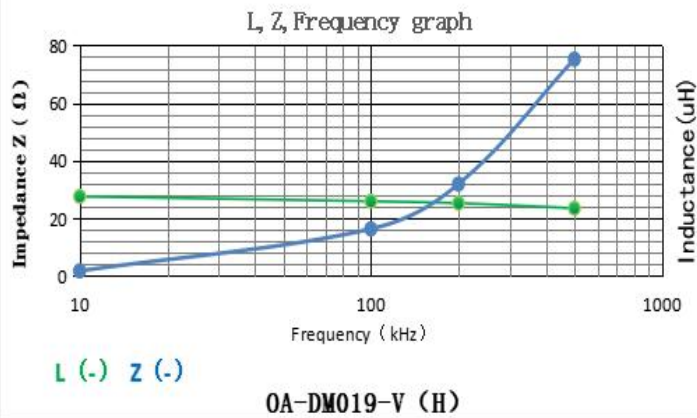
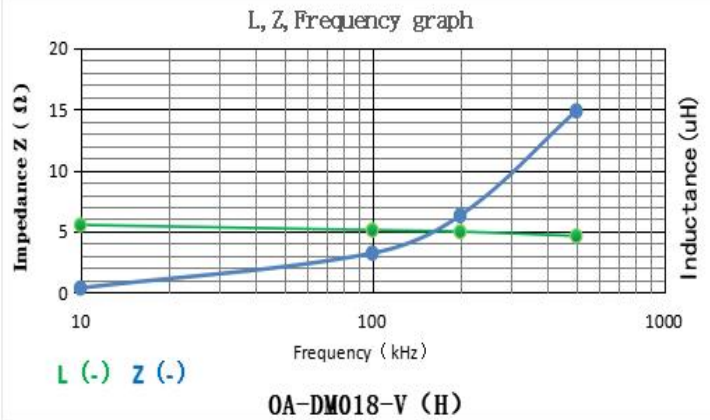
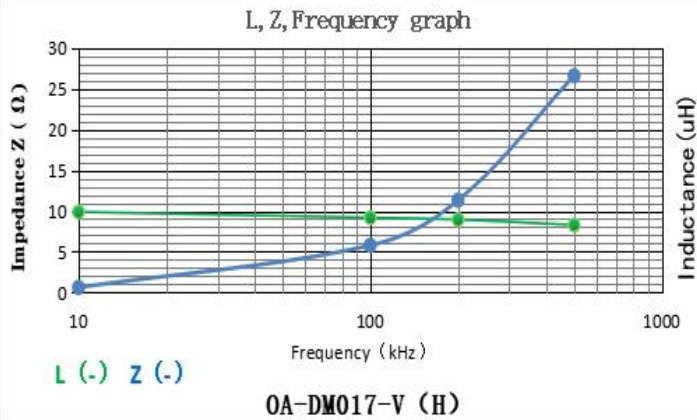


OA-DM008-V (H)

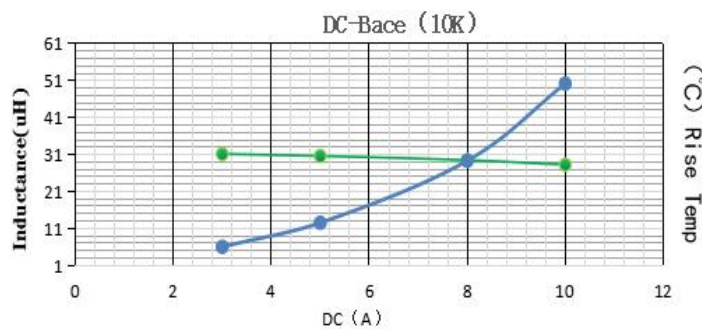
L,Z, Frequency graph



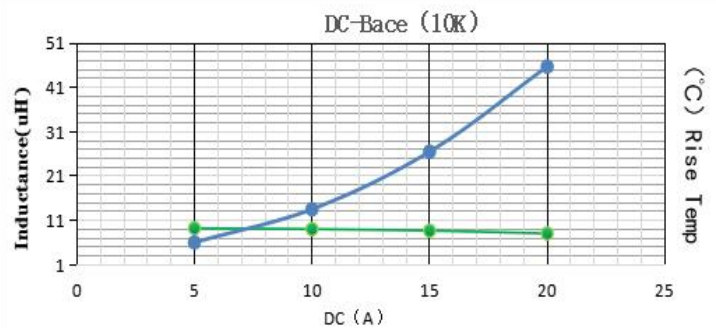
L,Z, Frequency graph



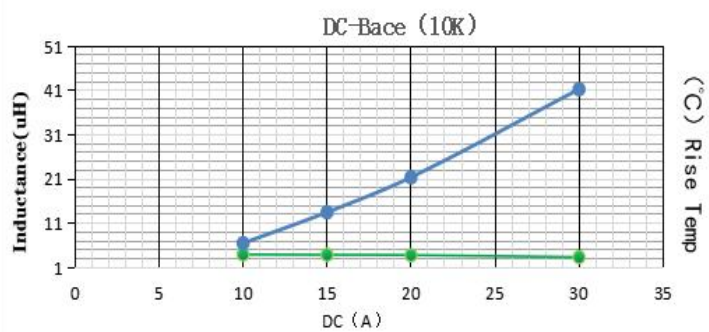
DC-Bace (10K)



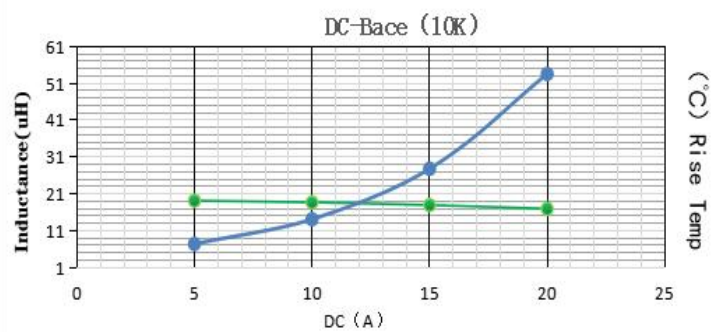
OA-DM001-V (H)



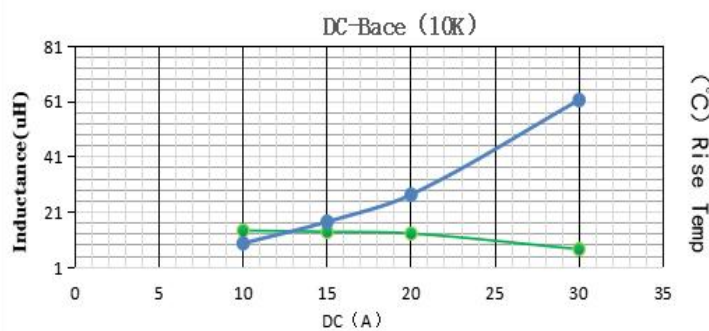
OA-DM002-V (H)



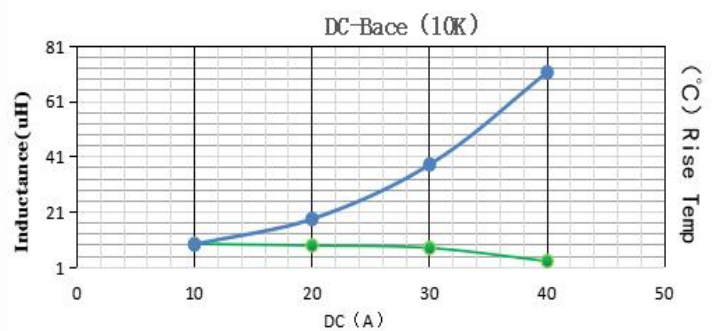
OA-DM003-V (H)



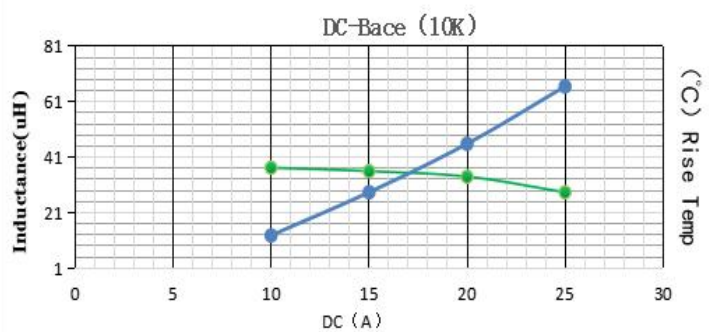
OA-DM004-V (H)



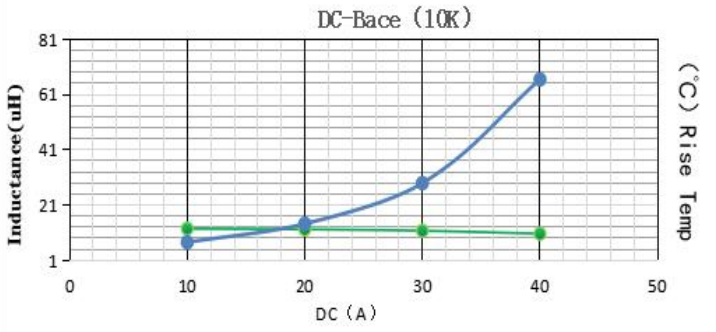
OA-DM005-V (H)



OA-DM006-V (H)

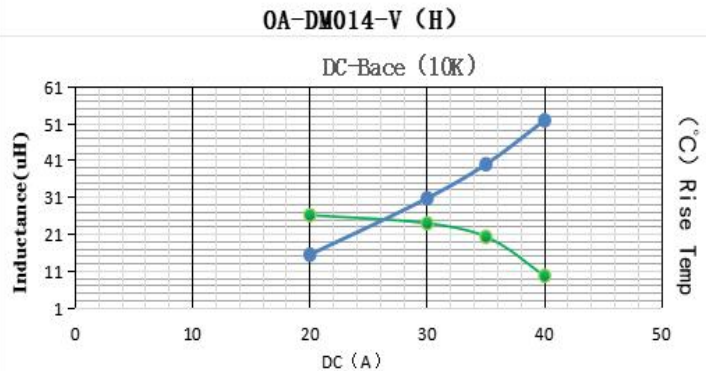
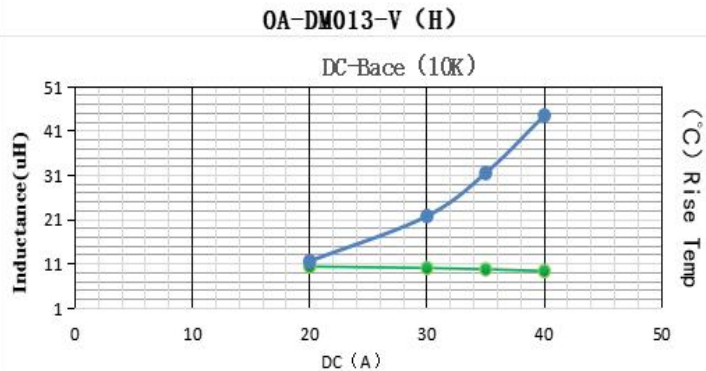
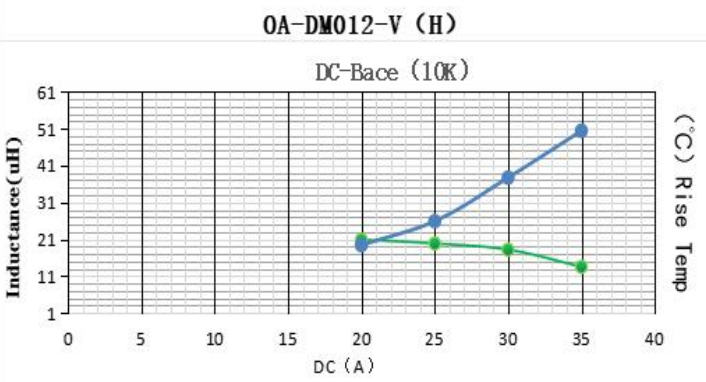
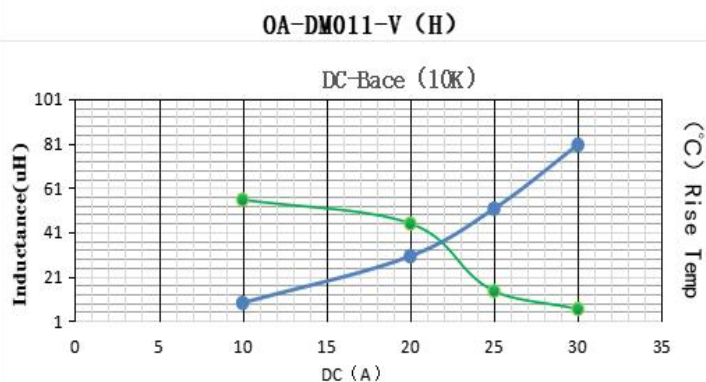
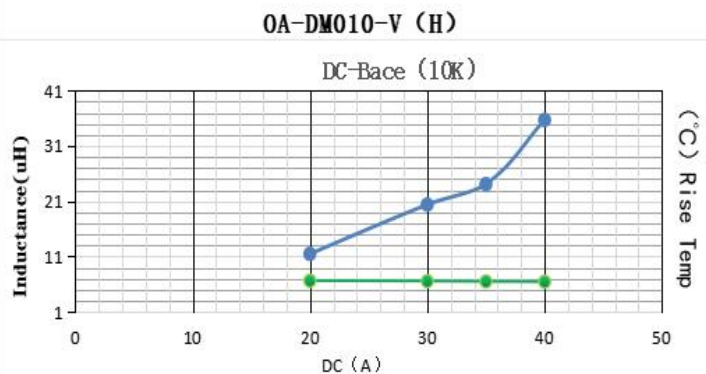
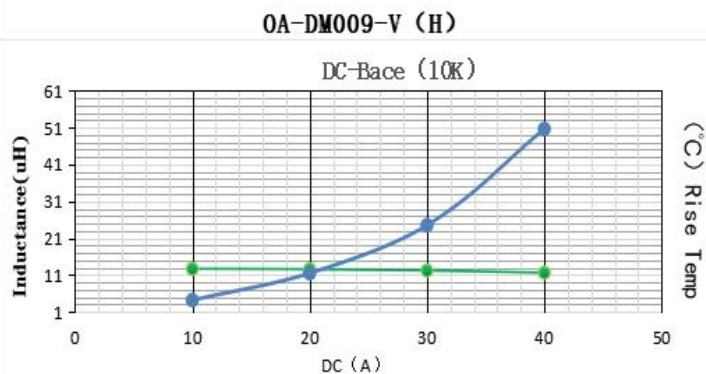
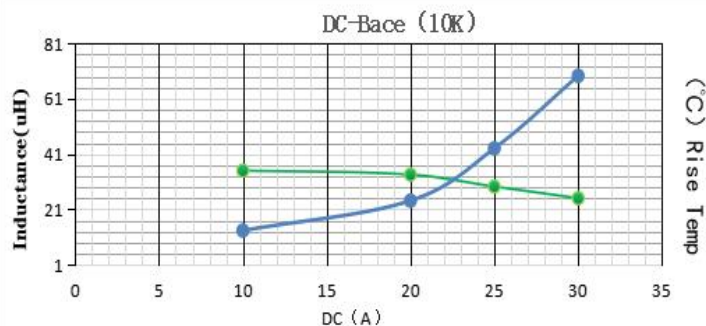
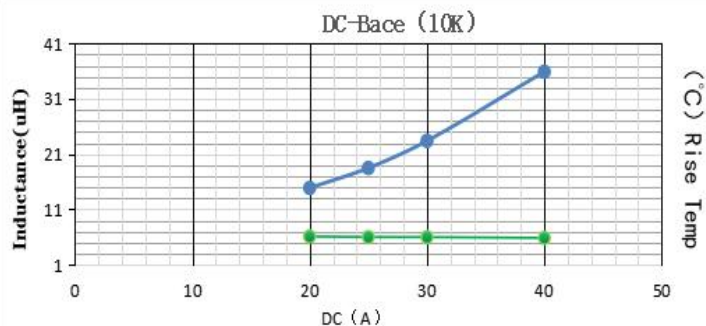


OA-DM007-V (H)



OA-DM008-V (H)

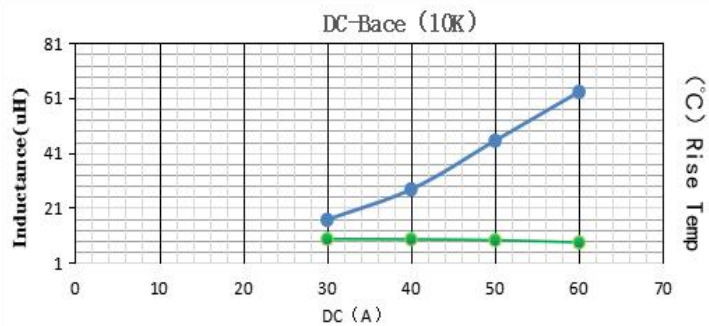
DC-Bace (10K)



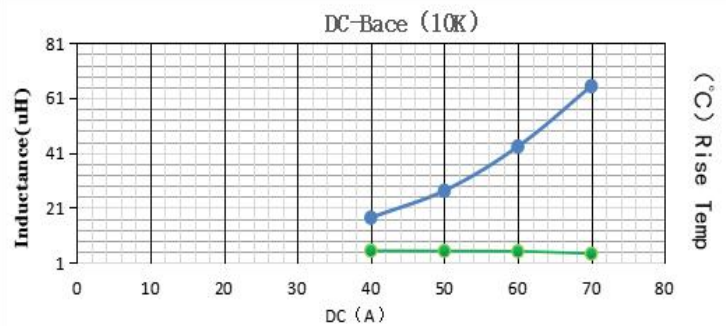
OA-DM015-V (H)

OA-DM016-V (H)

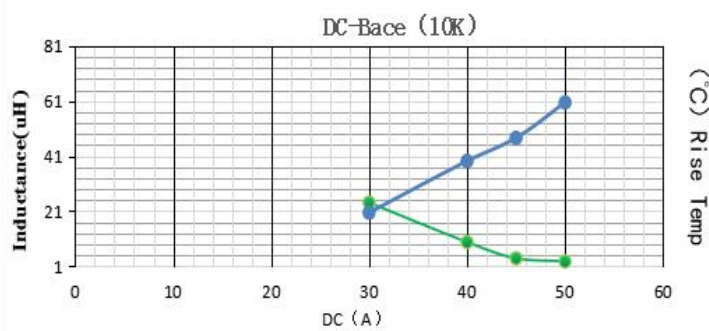
DC-Bace (10K)



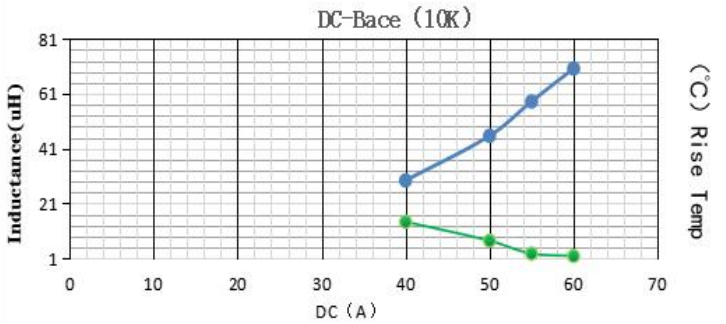
OA-DM017-V (H)



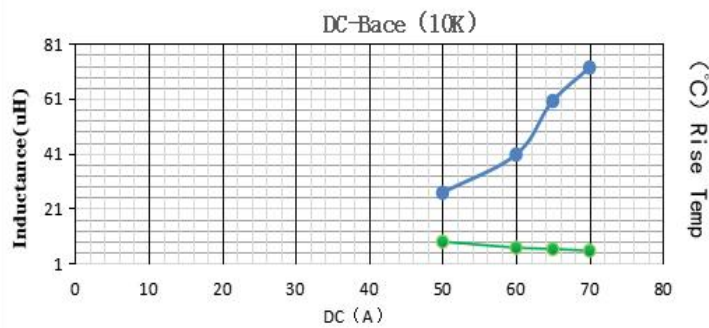
OA-DM018-V (H)



OA-DM019-V (H)



OA-DM020-V (H)



OA-DM021-V (H)