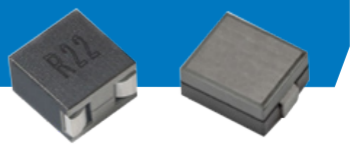
组装式贴片功率电感—WPZ 系列
Assembled SMD Power Inductors – WPZ Series



工作温度 Operating Temp

- -40℃ ~+125℃ (Including self-heating)

特征 Features

- 采用高饱和特性磁材，高通流，低损耗
- 闭合磁路设计，漏磁干扰小
- 高 DCR 精度
- 无卤，符合 RoHS 标准
- High saturation characteristic core for large saturation current and low loss
- Closed magnetic circuit design reduces leakage flux
- High precision DCR
- Halogen free, RoHS compliant

用途 Applications

- 服务器、台式电脑、笔记本电脑
- 显卡、内存
- 工控设备、通讯设备
- Server, desktop computer, notebook
- Graphics, memory
- Industrial equipment, telecom base station

产品型号 Product Identification

1	2	3	4	5	6	7	8
WPZ	1008	7	S	1	R12	K	T

1

分类 Type	
WPZ	贴片功率电感 SMD Power Inductor

2

外形长宽尺寸 (L×W) [mm] External Dimensions(L×W) [mm]	
0404	4.0×4.1
0505	5.2×5.2
0606	6.4×6.4
0707	7.0×7.3
0905	9.0×5.0
0906	9.6×6.4
0907	9.5×7.5
1006	10.0×6.15
1007	10.7×7.0
1008	10.4×8.0
1010	10.0×10.0
1106	10.6×6.3
1107	11.0×7.4
1111	11.2×11.2
1205	12.0×5.0
1206	12.0×6.0
1308	13.5×8.5
1313	13.7×12.8
1612	15.3×11.3
1811	18.0×11.3

3

外形高度尺寸 (H) [mm] External Height Dimensions(H) [mm]	
1	H<1.5
2	1.5≤H<2.5
3	2.5≤H<3.5
4	3.5≤H<4.5
5	4.5≤H<5.5
6	5.5≤H<6.5
7	6.5≤H<7.5
8	7.5≤H<8.5
9	8.5≤H<9.5
A	9.5≤H<10.5
B	10.5≤H<11.5
C	11.5≤H<12.5
D	12.5≤H<13.5
E	13.5≤H<14.5
F	14.5≤H<15.5
G	15.5≤H<16.5

4

磁芯材料 Magnetic Core Material	
B	高饱 High Saturation
S	低损耗 Low Loss
F	高频 High Frequency
N	镍锌 NiZn
M	合金 Alloy

5

绕组数量 Number of Windings	
1	单绕组 1 Winding
2	双绕组 2 Windings

6

公称感量 Nominal Inductance	
Example	Nominal Value
70N	70nH
R12	120nH

7

感量精度 Inductance Tolerance	
K	±10%
L	±15%
M	±20%

8

包装 Packing	
T	编带 Tape & Reel

外观尺寸
Shape and Dimensions
——2 Pins

Fig.1

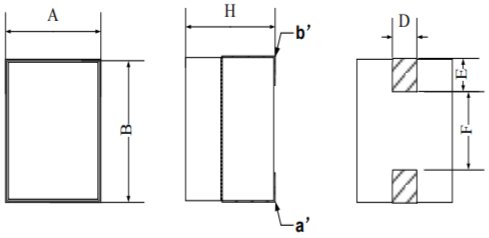


Fig.2

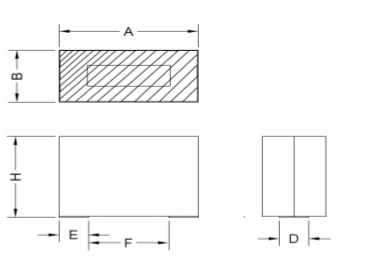


Fig.3

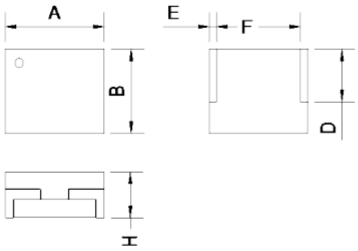


Fig.4

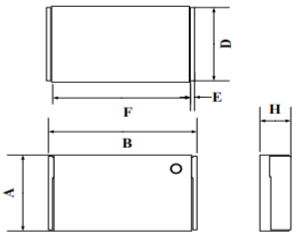


Fig.5

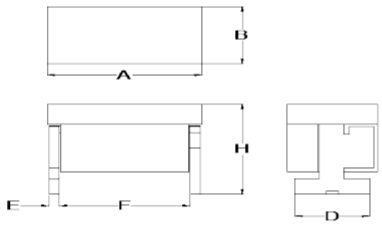


Fig.6

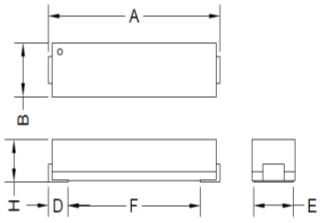
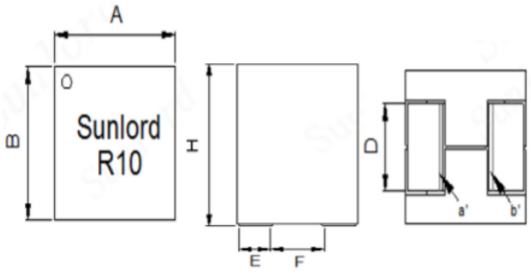


Fig.7



Recommended Land Pattern (Typ.)

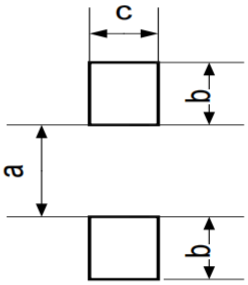
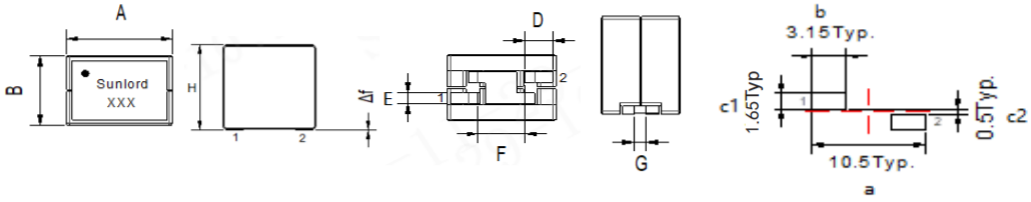


Fig.8



外观尺寸
Shape and Dimensions
——2 Pins

Unit: mm

Series	Shape	A	B	H	D	E	F	a Typ.	b Typ.	c Typ.
WPZ04044S1	Fig.1	3.7±0.3	3.8±0.3	4.1±0.2 3.7±0.3	1.4 typ.	1.3 typ.	/	0.9	1.7	1.9
WPZ05057B1	Fig.1	4.8±0.4	4.8±0.2	6.3±0.3	2.0±0.2	1.2±0.2	/	1.8	1.85	2.6
WPZ05057S1	Fig.1	5.2 max.	5.2 max.	6.5 max.	2.0±0.2	0.7±0.2	3.7±0.3	3.2	1.15	2.5
WPZ0606AF1	Fig.7	6.3±0.2	6.3±0.2	9.8±0.2	3.7±0.2	1.75±0.2	2.65±0.2	2.05	2.35	4.1
WPZ07074N1	Fig.1	6.6±0.2	7.0±0.3	4.0±0.2	1.0±0.2	1.9±0.4	3.2±1.0	2.6	2.5	1.4
WPZ07074S1	Fig.1	6.6±0.2	7.0±0.3	3.8 max.	3.0±0.2	1.6±0.3	3.8 typ.	3.2	2.2	3.4
WPZ07075S1	Fig.1	7.0 max.	7.0 max.	5.0 max.	2.5±0.25	1.5±0.3	3.9 typ.	3.3	2.1	3.0
WPZ0707BB1	Fig.7	6.7±0.3	6.6±0.3 6.4±0.3	10.7±0.3	3.7±0.2	1.8±0.2	2.8±0.3	2.3	2.3	4.2
WPZ09068S1	Fig.2	9.4±0.2	6.2±0.2	8.1 max.	2.14±0.3	2.5±0.2	4.4 typ.	4.0	3.2	2.54
WPZ09069B1	Fig.2	9.35±0.25	6.3±0.3 6.1±0.3	8.7±0.3	2.6±0.3	2.5±0.3	3.95±0.3	3.5	3.2	3.1
WPZ09059F1	Fig.2	8.8±0.2	4.9±0.3 4.7±0.3	9.3±0.2	2.4±0.2	2.5±0.2	/	3.4	3.1	2.8
WPZ0906AB1/ WPZ0906AS1	Fig.2	9.4±0.2	6.2±0.4 6.2±0.2	10.1 max.	3.15±0.2	2.8±0.2	3.8 typ.	3.4	3.3	3.6
WPZ0906AF1	Fig.2	9.4±0.2	6.2±0.4 6.2±0.2	10.1 max.	2.6±0.2	2.8±0.2	3.8 typ.	3.4	3.3	3.6
WPZ09074S1	Fig.3	9.2±0.3	7.3±0.2	3.8±0.2	4.5±0.2	0.65±0.2	7.7 typ.	7.1	1.25	4.9
WPZ09075S1	Fig.1	6.8±0.2	9.3±0.3	5.5 max.	2.3±0.1	2.3±0.3	4.8±0.3	4.2	2.9	2.7
WPZ09079S1	Fig.3	9.5 max.	7.5 max.	9.0 max.	4.3 typ.	1.2 typ.	6.2 typ.	5.8	1.8	4.7
WPZ1006CB1	Fig.2	10.0 max.	6.0/6.2 max.	12.0 max.	2.45±0.3	2.95±0.3	3.65±0.5	3.05	3.55	2.85
WPZ1006CS1	Fig.2	10.0 max.	6.15/6.0 max.	12.0 max.	2.45±0.3	2.95±0.3	3.65±0.5	3.05	3.55	2.85
WPZ10075B1	Fig.1	6.7±0.3	9.8±0.4	4.8±0.2	2.5±0.1	1.9±0.2	6.0 typ.	5.4	2.5	3.0
WPZ10075S1	Fig.1	6.8±0.2	10±0.25	5.0±0.2	2.54±0.1	2.03±0.2	/	5.08	2.8	3.05
WPZ10075M1	Fig.1	6.8±0.2	10.5±0.2	5.0 max.	2.54±0.2	2.3±0.2	5.9 typ.	5.3	2.9	2.94
WPZ1007AS1	Fig.2	9.7±0.3	6.7±0.3	9.6±0.4	2.2±0.25	2.5±0.3	4.1±0.3	3.5	3.1	2.6
WPZ1007CS1	Fig.7	10.5±0.2	7.6±0.3 7.5±0.2 7.3±0.2	11.8±0.2	3.1±0.2	2.8±0.3	4.4±0.3	3.7	3.4	3.5
WPZ10087S1	Fig.1	7.7±0.3	10±0.3	6.8±0.2	2.3±0.2	3.0±0.2	4.0 typ.	3.4	3.6	2.7
WPZ10087B1	Fig.1	7.8±0.2	10.2±0.2	7.3±0.2	2.25±0.2	2.54±0.2	5.12 typ.	4.7	3.0	2.5
WPZ10088S1	Fig.1	8.0 max.	10.4 max.	8.2/8.0 max.	2.1±0.1	2.54±0.2	4.86 typ.	4.26	3.14	2.5
WPZ1104AS1	Fig.2	11.2±0.3	3.5±0.4	11.4 typ.	2.8±0.2	1.2±0.3	8.2±0.3	7.6	1.8	3.2
WPZ11068S1	Fig.5	10.6 max.	6.3 max.	8.1 max.	5.0±0.2	0.7±0.1	8.7 min.	8.4	1.3	5.6/3.0
WPZ11077S1	Fig.1	7.1±0.3	10.7±0.3	7.4±0.3	1.9±0.3	2.6±0.3	5.5 typ.	4.9	3.2	2.3
WPZ11119S1	Fig.1	11.2 max.	11.2 max.	9.0/9.3/9.5 max.	2.1±0.3	2.6±0.3	/	5.3	3.1	2.54
WPZ12088S1	Fig.1	8.0 max.	12.0 max.	8.1 max.	1.3±0.2	2.2±0.2	7.1 typ.	6.5	2.8	1.7
WPZ13083S1	Fig.4	8.35±0.2	13.35±0.2	2.8±0.2	8.15±0.2	0.5±0.1	12.85±0.2	11.75	1.1	8.7
WPZ13138S1	Fig.1	12.8 max.	13.7 max.	8.1 max.	6.5 typ.	2.7 typ.	7.8 typ.	7.2	3.2	6.9

Series	Shape	A	B	H	D	E	F	G	a Typ.	b Typ.	c1 Typ.	c2 Typ.
WPZ1007AB1	Fig.8	9.7±0.3	6.7±0.3	9.7±0.3	2.5±0.3	1.1±0.3	4.2±0.3	1.0±0.3	10.5	3.15	1.65	0.5

规格特性
Specifications

型号 Part Number	电感量 Inductance	测试条件 L Test Condition	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current
单位 Units	nH	/	mΩ	Isat A		A
符号 Symbol	L	/	DCR	25℃	100℃	Irms
WPZ04044S122NMT	22±20%	@100kHz, 1V	0.3±10%	40	34	48
WPZ04044S150NKT	50±10%			35	30	
WPZ04044S165NKT	65±10%			30	23	
WPZ04044S1R10KT	100±10%			17	15	
WPZ05057B1R10MT	100±20%		0.503Max. 0.47Typ.	35	29	40
WPZ05057S160NMT	55±20%	@100kHz, 1V	0.25±20%	70	60	50
WPZ05057S180NMT	80±20%			50	40	
WPZ05057S1R10MT	100±20%			40	30	
WPZ05057S1R11MT	110±20%			36	27	
WPZ05057S1R15MT	150±20%			25	20	
WPZ0606AF150NKT	50±10%	@800kHz, 0.1V	0.17±10%	150	120	70
WPZ0606AF170NKT	70±10%			120	100	
WPZ0606AF1R10KT	100±10%			85	70	
WPZ0606AF1R12KT	120±10%			70	60	
WPZ0606AF1R15KT	150±10%			56	46	
WPZ07074N1R10MT	100±20%	@100kHz, 1V	0.5 Max.	20	/	15
WPZ07074S160NMT	60±20%		0.19 Max.	51	/	30
WPZ07074S1R10MT	100±20%			34	/	
WPZ07075S160NMT	60±20%		0.32±9.4%	70	54	37
WPZ07075S170NMT	72±20%			58	45	
WPZ07075S1R10MT	105±20%			46	38	
WPZ07075S1R15MT	150±20%			34	24	
WPZ07075S1R20MT	200±20%			25	18	
WPZ0707BB155NLT	55±15%		0.145±10%	155	130	76
WPZ0707BB170NKT	70±10%			134	114	
WPZ0707BB1R10KT	100±10%			93	79	
WPZ0707BB1R12KT	120±10%			76	65	
WPZ0707BB1R15KT	150±10%			60	51	
WPZ0707BB1R22KT	220±10%			42	35	
WPZ0707BB1R33KT	330±10%			28	22	
WPZ09068S1R10KT	100±10%	@100kHz, 0.1V	0.29±5%	94	81	51
WPZ09068S1R12KT	120±10%			79	68	
WPZ09068S1R15KT	150±10%			65	55	
WPZ09068S1R18KT	180±10%			55	45	
WPZ09068S1R22KT	220±10%			44	37.5	
WPZ09068S1R28KT	280±10%			34	29	
WPZ09068S1R30KT	300±10%			32.5	27.5	
WPZ09069B170NKT	70±10%	@100kHz,1V	0.187 Max. (0.17 Typ.)	160	136	66
WPZ09069B1R10KT	100±10%			112	96	
WPZ09069B1R12KT	120±10%			94	80	
WPZ09069B1R15KT	150±10%			75	64	
WPZ09069B1R17KT	170±10%			65	55	
WPZ09059F190NKT	90±10%	@500kHz, 0.1V	0.125±10%	90	77	63
WPZ09059F1R10KT	100±10%			80	70	
WPZ09059F1R12KT	120±10%			72	64	
WPZ09059F1R15KT	150±10%			58	51	
WPZ09059F1R18KT	180±10%			49	42	
WPZ09059F1R21KT	210±10%			38	33	
WPZ09059F1R24KT	240±10%			33	30	
WPZ09059F1R27KT	270±10%			30	26	
WPZ09059F1R33KT	330±10%			23	19	
WPZ0906AB170NKT	70±10%	@800kHz, 0.1V	0.12 Max. (0.1 Typ.)	145	126	84
WPZ0906AB1R10KT	100±10%			110	90	
WPZ0906AB1R12KT	120±10%			90	75	
WPZ0906AB1R15KT	150±10%			67	58	
WPZ0906AB1R18KT	180±10%			56	49	
WPZ0906AB1R22KT	220±10%			46	40	
WPZ0906AB1R28KT	280±10%			36	31	

规格特性
Specifications

型号 Part Number	电感量 Inductance	测试条件 L Test Condition	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current
单位 Units	nH	/	mΩ	Isat A		A
符号 Symbol	L	/	DCR	25℃	100℃	Irms
WPZ0906AS170NKT	70±10%	@100kHz, 0.1V	0.12 Max. (0.1 Typ.)	120	104	84
WPZ0906AS1R10KT	100±10%			93	74	
WPZ0906AS1R12KT	120±10%			70	60	
WPZ0906AS1R15KT	150±10%			55	48	
WPZ0906AS1R18KT	180±10%			46	40	
WPZ0906AS1R22KT	220±10%			38	33	
WPZ0906AS1R28KT	280±10%			30	26	
WPZ0906AF170NKT	70±10%			120	104	
WPZ0906AF1R10KT	100±10%			93	74	
WPZ0906AF1R12KT	120±10%			70	60	
WPZ0906AF1R15KT	150±10%			55	48	
WPZ0906AF1R18KT	180±10%			46	40	
WPZ0906AF1R22KT	220±10%			38	33	
WPZ0906AF1R28KT	280±10%			30	26	
WPZ09074S170NLT	70±15%	@800kHz, 0.1V	0.32±10%	78	/	39
WPZ09074S1R10LT	100±15%			55	/	
WPZ09074S1R14LT	140±15%			39	/	
WPZ09074S1R15LT	150±15%			33	/	
WPZ09074S1R18LT	175±15%			28	/	
WPZ09075S170NLT	70±15%	@100kHz, 1V	0.14±10%	100	85	65 Min.
WPZ09075S1R10LT	100±15%			70	59	
WPZ09075S1R12LT	120±15%			58	49	
WPZ09075S1R15LT	150±15%			46	39	
WPZ09075S1R18LT	180±15%			38	33	
WPZ09075S1R22LT	220±15%			31	27	
WPZ09079S1R10LT	100±15%	@800kHz, 1V	0.2 Max. (0.17 Typ.)	80	/	50
WPZ09079S1R12LT	120±15%			66	/	
WPZ09079S1R15LT	150±15%			53	/	
WPZ09079S1R18LT	180±15%			44	/	
WPZ09079S1R22LT	220±15%			36	/	
WPZ09079S1R28LT	280±15%			28	/	
WPZ09079S1R30LT	300±15%			26	/	
WPZ1006CB170NLT	70±15%	@100kHz, 1V	0.125±10%	175	150	70
WPZ1006CB180NLT	80±15%			155	130	
WPZ1006CB1R10LT	100±15%			125	105	
WPZ1006CB1R12LT	120±15%			105	88	
WPZ1006CB1R14LT	135±15%			92	77	
WPZ1006CB1R15LT	150±15%			83	70	
WPZ1006CB1R22LT	220±15%			52	42	
WPZ1006CB1R25LT	250±15%			46	36	
WPZ1006CB1R33LT	330±15%			35	28	
WPZ1006CS170NLT	70±15%			152	130	
WPZ1006CS180NLT	80±15%			134	113	
WPZ1006CS1R10LT	100±15%			108	92	
WPZ1006CS1R12LT	120±15%			91	76	
WPZ1006CS1R14LT	135±15%			80	67	
WPZ1006CS1R15LT	150±15%			72	60	
WPZ1006CS1R22LT	220±15%			45	36	
WPZ1006CS1R25LT	250±15%			40	31	
WPZ1006CS1R33LT	330±15%			30	24	

规格特性
Specifications

型号 Part Number	电感量 Inductance	测试条件 L Test Condition	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current
单位 Units	nH	/	mΩ	Isat A		A
符号 Symbol	L	/	DCR	25℃	100℃	Irms
WPZ10075B1R12KT	120±10%	@100kHz, 1V	0.35±10%	61	/	31
WPZ10075B1R15KT	150±10%			49	/	
WPZ10075B1R20KT	200±10%			37	/	
WPZ10075B1R22KT	220±10%			32	/	
WPZ10075B1R30KT	300±10%			21	/	
WPZ10075S170NKT	70±10%		0.1375 Max.	85	78	40
WPZ10075S1R10KT	100±10%			60	55	
WPZ10075S1R12KT	120±10%			50	45	
WPZ10075S1R15KT	150±10%			40	36	
WPZ10075S1R20KT	200±10%			30	27	
WPZ10075S1R30KT	300±10%			19	17	
WPZ10075M170NLT	70±15%		0.23±10%	130	/	
WPZ10075M1R10LT	100±15%			96	/	
WPZ10075M1R12LT	120±15%			80	/	
WPZ10075M1R15LT	150±15%			64	/	
WPZ10075M1R16LT	160±15%			60	/	
WPZ1007AS170NLT	70±15%		0.17±10%	165	120	68
WPZ1007AS1R10LT	100±15%			135	100	
WPZ1007AS1R12LT	120±15%			107	80	
WPZ1007AS1R15LT	150±15%			92	75	
WPZ1007AS1R20LT	200±15%			68	51	
WPZ1007AS1R22LT	220±15%			62	47	
WPZ1007AS1R33LT	330±15%			37	28	
WPZ1007CS170NKT	70±10%		0.15±10%	194	181	75
WPZ1007CS1R10KT	100±10%			136	126	
WPZ1007CS1R12KT	120±10%			113	105	
WPZ1007CS1R15KT	150±10%			90	84	
WPZ1007CS1R18KT	180±10%			75	70	
WPZ1007CS1R20KT	200±10%			67	62	
WPZ1007CS1R22KT	220±10%			61	57	
WPZ1007CS1R27KT	270±10%			51	47	
WPZ1007CS1R33KT	330±10%			41	38	
WPZ1007CS1R47KT	470±10%			29	27	
WPZ10087S1R10KT	100±10%		0.29±10%	96	/	72
WPZ10087S1R12KT	120±10%			80	/	60
WPZ10087S1R15KT	150±10%			72	/	
WPZ10087S1R17KT	170±10%			58	/	
WPZ10087S1R20KT	200±10%			48	/	
WPZ10087S1R22KT	220±10%			46	/	
WPZ10087S1R30KT	300±10%			32	/	
WPZ10087S1R33KT	330±10%			28	/	
WPZ10087B1R10KT	100±10%		0.29±5%	108	98	61
WPZ10087B1R12KT	115±10%			94	86	
WPZ10087B1R15KT	150±10%			76	70	
WPZ10087B1R17KT	175±10%			66	60	
WPZ10087B1R20KT	200±10%			57	52	
WPZ10087B1R22KT	215±10%			50	43	
WPZ10087B1R23KT	230±10%			48	40	
WPZ10087B1R27KT	270±10%			40	34	
WPZ10087B1R30KT	300±10%			35	30	

规格特性
Specifications

型号 Part Number	电感量 Inductance	测试条件 L Test Condition	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current
单位 Units	nH	/	mΩ	Isat A		A
符号 Symbol	L	/	DCR	25℃	100℃	Irms
WPZ10088S180NKT	80±10%	@100kHz, 0.1V	0.18±5%	130	120	68
WPZ10088S182NKT	82±10%			126	116	
WPZ10088S1R10KT	100±10%			113	100	
WPZ10088S1R12KT	120±10%			95	84	
WPZ10088S1R15KT	150±10%			78	69	
WPZ10088S1R18KT	180±10%			62	56	
WPZ10088S1R22KT	220±10%			52	45	
WPZ10088S1R27KT	270±10%			41	36	
WPZ10088S1R30KT	300±10%			35	33	
WPZ10088S1R33KT	330±10%			33	30	
WPZ1104AS170NKT	70±10%	@1MHz, 0.1V	0.2 Max.	100	90	40
WPZ11068S1R10KT	100±10%	@300kHz, 0.1V	0.35 Max.	90	75	40
WPZ11068S1R12KT	120±10%			78	67	
WPZ11068S1R16KT	160±10%			60	50	
WPZ11068S1R20KT	200±10%			45	38	
WPZ11077S170NKT	70±10%	@100kHz, 1V	0.29±10%	150	140	39
WPZ11077S1R12KT	120±10%			95	83	
WPZ11077S1R15KT	150±10%			80	62	
WPZ11077S1R17KT	170±10%			70	55	
WPZ11077S1R20KT	200±10%			60	45	
WPZ11077S1R23KT	230±10%			50	36	
WPZ11077S1R30KT	300±10%			37	28	
WPZ11077S1R40KT	400±10%			25	18	
WPZ11077S1R50KT	500±10%			18	13	
WPZ11077S1R51KT	510±10%			18	13	
WPZ11119S150N ☐ T	50	@100kHz, 1V	0.42±10%	180	/	43
WPZ11119S1R10 ☐ T	100			145	/	
WPZ11119S1R12 ☐ T	120			120	/	
WPZ11119S1R15 ☐ T	150			100	/	
WPZ11119S1R20 ☐ T	200			80	/	
WPZ11119S1R25 ☐ T	250			63	/	
WPZ11119S1R27 ☐ T	270			58	/	
WPZ11119S1R30 ☐ T	300			53	/	
WPZ11119S1R33 ☐ T	330			46	/	
WPZ11119S1R47 ☐ T	470			36	/	
WPZ11119S1R56 ☐ T	560			30	/	
WPZ11119S11R0 ☐ T	1000			13	/	
WPZ12088S1R15KT	150±10%		0.29±5%	85	/	50
WPZ12088S1R18KT	180±10%			72	/	
WPZ12088S1R21KT	210±10%			65	/	
WPZ12088S1R23KT	230±10%			60	/	
WPZ12088S1R25KT	250±10%			52	/	
WPZ12088S1R45KT	450±10%			24	/	
WPZ12088S1R47KT	470±10%			22	/	
WPZ13083S1R11KT	110±10%	@100kHz, 0.1V	0.45±10%	65	/	30
WPZ13083S1R15KT	145±10%			50	/	
WPZ13083S1R21KT	210±10%			34	/	
WPZ13083S1R26KT	260±10%			27	/	
WPZ13083S1R32KT	320±10%			22	/	

规格特性
Specifications

型号 Part Number	电感量 Inductance	测试条件 L Test Condition	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current
单位 Units	nH	/	mΩ	Isat A		A
符号 Symbol	L	/	DCR	25℃	100℃	Irms
WPZ13138S1R11KT	110±10%	@100kHz, 1V	0.19±10%	140	113	68
WPZ13138S1R15KT	150±10%			100	80	
WPZ13138S1R18KT	180±10%			85	68	
WPZ13138S1R21KT	210±10%			80	64	
WPZ13138S1R26KT	260±10%			61	50	
WPZ13138S1R32KT	320±10%			45	36	
WPZ13138S1R36KT	360±10%			40	32	
WPZ13138S1R44KT	440±10%			37	30	
WPZ13138S1R50KT	500±10%			28	22	
WPZ1007AB1R47KT	470±10%	@100kHz, 1V	0.891 Max. (0.81 Typ.)	48	38	30
WPZ1007AB1R68KT	680±10%			34	29	

※1: 所有的测试数据均在 20℃环境温度进行;
※1: All test data is referenced to 25°C ambient;

※2: 饱和电流: 使电感值从初始状态下下降约 20% 的直流电流值;
※2: Isat: DC current at which the inductance drops approximate 20% from its value without current;

※3: 温升电流: 使产品表面温度从 25℃升高（△ T =40℃）的直流电流值。
※3: Irms: DC current that causes the temperature rise (ΔT) from 25°C ambient when two coils connected in series, ΔT is approximate 40°C.

※4:"□"代表电感公差, K±10%, L±15%, M±20%。
※4:"□"stands for inductance tolerance, K±10%, L±15%, M±20%.

外观尺寸
Shape and Dimensions ——3 Pins

Fig.1

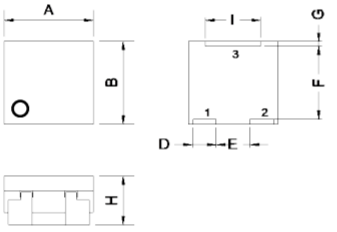


Fig.2

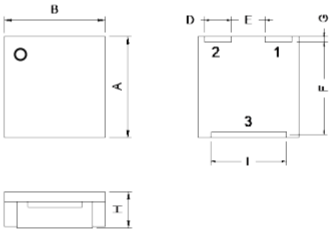
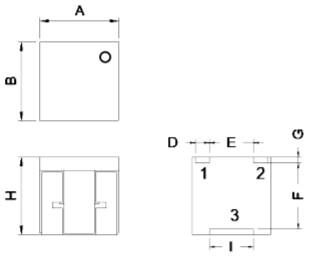


Fig.3



Recommended Land Pattern (Typ.)

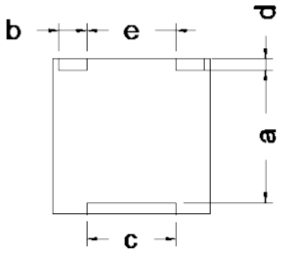
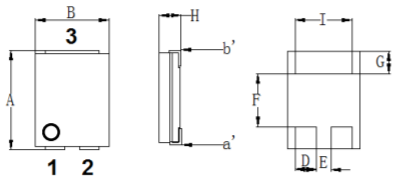
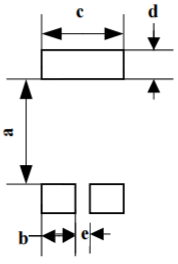


Fig.4



Recommended Land Pattern (Typ.)



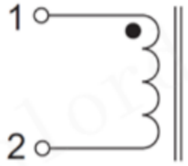
外观尺寸
Shape and Dimensions ——3 Pins

Unit: mm

Series	Shape	A	B	H	D	E	F	G
WPZ06065S1	Fig.3	6.2±0.2	6.2±0.2	5.15±0.15	1.72±0.1	2.6±0.3	5.2±0.3	0.45±0.1
WPZ10103S1	Fig.2	9.8+0.2/-0.25	9.8+0.2/-0.25	3.2±0.15	2.6±0.2	/	8.7±0.2	0.5±0.1
WPZ10106S1	Fig.1	9.8±0.2	9.8±0.2	5.75±0.25	2.6±0.1	3.7 typ.	/	0.6±0.1
WPZ16123S1	Fig.4	15±0.3	11±0.3	2.8±0.2	3.0±0.2	2.45±0.2	10.1±0.2	2.5±0.2
WPZ18113S1	Fig.4	17.5±0.5	11±0.4	3.0 max.	/	/	/	/

Series	Shape	I	a Typ.	b Typ.	c Typ.	d Typ.	e Typ.	/
WPZ06065S1	Fig.3	3.5±0.2	4.7	2.2	3.9	1.0	2.1	/
WPZ10103S1	Fig.2	7.3±0.3	8.0	/	7.8	/	/	/
WPZ10106S1	Fig.1	6.1±0.1	/	3.0	6.5	1.2	3.3	/
WPZ16123S1	Fig.4	8.45±0.2	8.6	4.0	9.5	3.9	1.5	/
WPZ18113S1	Fig.4	/	11.6	3.7	9.0	3.2	/	/

等效电路
Equivalent Circuit

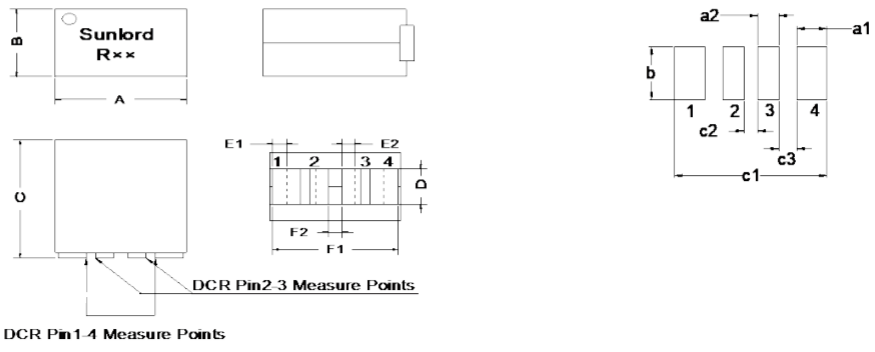


规格特性
Specifications

型号 Part Number	电感量 Inductance	测试条件 L Test Condition	直流电阻 DC Resistance	饱和电流 Saturation Current		温升电流 Heat Rating Current	温升电流（pin1-2）Heat Rating Current
单位 Units	nH	/	mΩ	Isat A		A	A
符号 Symbol	L	/	DCR	25℃	100℃	Irms	Irms
WPZ06065S1R10KT	100±10%	@1MHz, 1V	0.4±12.5%	50	40	/	24
WPZ06065S1R12KT	120±10%			41	33	/	
WPZ06065S1R15KT	150±10%			33	26	/	
WPZ06065S1R20KT	200±10%			25	20	/	
WPZ10103S1R10LT	100±15%		0.45±15%	79	/	61	31
WPZ10103S1R15LT	150±15%			52	/	41	
WPZ10103S1R22LT	220±15%			36	/	28	
WPZ10103S1R30LT	300±15%			26	/	20	
WPZ10106S1R10KT	100±10%		0.66±10%	120	/	95	20
WPZ10106S1R20KT	200±10%			60	/	50	
WPZ10106S1R22KT	220±10%			54	/	43	
WPZ10106S1R30KT	300±10%			43	/	33	
WPZ10106S1R45KT	450±10%			29	/	23	
WPZ10106S1R50KT	500±10%			26	/	20	
WPZ16123S1R16KT	145~185		0.66 Max.	55	45	/	28.5
WPZ18113S1R25KT	250±10%	@300KHz, 1V		30	/	/	25

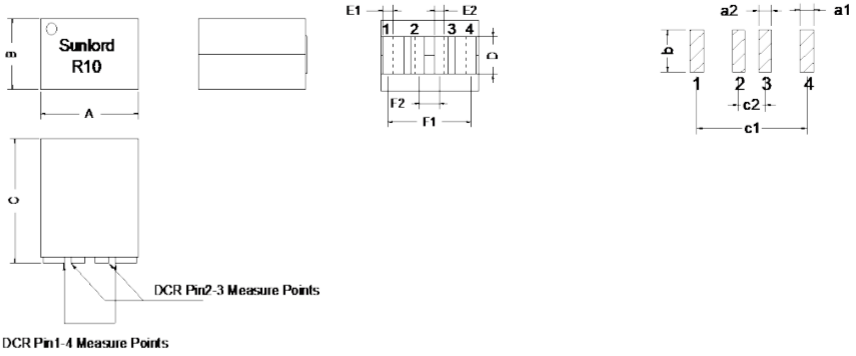
外观尺寸
Shape and Dimensions ——4 Pins

Fig.1



外观尺寸
Shape and Dimensions ——4 Pins

Fig.2



Unit: mm

Series	Shape	A	B	C	D	E1	E2	F1
WPZ0906AS2	Fig.1	9.3±0.3	6.1±0.3	9.7±0.3	3.2±0.2	1.5±0.3	1.0±0.3	9.25±0.5
WPZ0906BS2	Fig.1	9.3±0.3	6.1±0.3	11.1±0.3	3.05±0.2	1.35±0.3	0.76±0.3	9.25±0.3
WPZ10056B2	Fig.1	10.0±0.2	4.8±0.4 4.6±0.4	5.7±0.3	1.5±0.3	1.7±0.3	1.2±0.3	9.8±0.3
WPZ1205CS2	Fig.1	11.7±0.3	4.8±0.3 4.7±0.3	11.8±0.2	2.0±0.2	1.55±0.3	1.25±0.3	11.69±0.3
WPZ1206AB2	Fig.1	11.7±0.3	5.7±0.3	9.7±0.3	2.8±0.3	1.56±0.3	1.2±0.3	/
WPZ1206BS2/ WPZ1206BB2	Fig.2	11.7±0.3	5.7±0.3	10.7+0.4/-0.3	2.45±0.3	1.3±0.3	1.15±0.3	11.4±0.5
WPZ1206CS2/ WPZ1206CB2	Fig.1	11.7±0.3	5.8±0.3 5.7±0.3	11.8±0.3	2.6±0.3	1.63±0.3	1.27±0.3	11.7±0.3

Series	Shape	F2	a1	a2	b	c1	c2	c3
WPZ0906AS2	Fig.1	1.4±0.5	2.15±0.3	1.45±0.3	3.6±0.3	10.1±0.5	1.0±0.3	/
WPZ0906BS2	Fig.1	1.48±0.3	1.85 typ.	1.26 typ.	3.55 typ.	9.75 typ.	0.98 typ.	1.275 typ.
WPZ10056B2	Fig.1	1.5±0.3	2.3 typ.	1.8 typ.	1.9 typ.	10.4 typ.	0.9 typ.	/
WPZ1205CS2	Fig.1	1.3±0.3	2.15 typ.	1.6 typ.	2.4 typ.	12.25 typ.	0.8 typ.	/
WPZ1206AB2	Fig.1	1.6±0.3	2.16 typ.	1.8 typ.	3.2 typ.	12.15 typ.	1.0 typ.	1.62 typ.
WPZ1206BS2/ WPZ1206BB2	Fig.2	/	1.8±0.3	1.65±0.3	2.85±0.3	10.1±0.5	2.65±0.5	/
WPZ1206CS2/ WPZ1206CB2	Fig.1	1.35±0.3	2.13 typ.	1.77 typ.	3.05 typ.	12.2 typ.	0.85 typ.	/

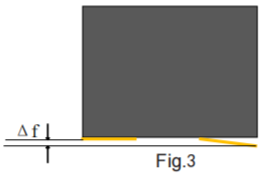


Fig.3

Δf: Clearance between terminal and the surface of plate must be 0.1mm Max. when coil is placed on a flat plate. (Refer to Fig.3)

规格特性
Specifications

型号 Part Number	电感量 Inductance	测试条件 L Test Condition	直流电阻 DC Resistance		饱和电流 Saturation Current		温升电流 Heat Rating Current		耐压 Hi-Pot	漏感 Lk @25℃
单位 Units	nH	/	mΩ		Isat (Pin1-4) A		A		/	nH
符号 Symbol	L(Pin1-4)	/	Pin1-4	Pin2-3	25℃	100℃	Irms (Pin1-4)	Irms (Pin2-3)	Pri(1.4)- Sec(2.3)	Pin1-4 (Shorted Pin2-3)
WPZ0906AS2R10LT	100±15%	@500KHz 0.25V	0.125±10%	0.45±10%	92	82	75	39	100Vdc 2s 2mA	20nH Ref.
WPZ0906AS2R12LT	120±15%				75	66				
WPZ0906AS2R15LT	150±15%				60	52				

规格特性
Specifications

型号 Part Number	电感量 Inductance	测试条件 L Test Condition	直流电阻 DC Resistance		饱和电流 Saturation Current		温升电流 Heat Rating Current		耐压 Hi-Pot	漏感 Lk @25°C
单位 Units	nH	/	mΩ		Isat (Pin1-4) A		A		/	nH
符号 Symbol	L(Pin1-4)	/	Pin1-4	Pin2-3	25°C	100°C	Irms (Pin1-4)	Irms (Pin2-3)	Pri(1.4)-Sec(2.3)	Pin1-4 (Shorted Pin2-3)
WPZ0906BS270NLT	70±15%	@100KHz, 0.1V	0.125±10%	0.6±10%	149	129	75	33	100Vdc 2s 2mA	20nH Ref.
WPZ0906BS280NLT	80±15%				131	113				
WPZ0906BS2R10LT	100±15%				105	91				
WPZ0906BS2R11LT	110±15%				95	82				
WPZ0906BS2R12LT	120±15%				87	75				
WPZ0906BS2R15LT	150±15%				70	60				
WPZ0906BS2R17LT	170±15%				61	53				
WPZ10056B250NLT	50±15%	@100KHz, 1V	0.32 Max. (0.27Typ.)	0.96 Max. (0.8Typ.)	130	100	44	25		10nH Ref.
WPZ10056B2R10LT	100±15%				70	58				
WPZ10056B2R12LT	120±15%				57	48				
WPZ10056B2R15LT	150±15%				45	38				
WPZ1205CS270NLT	70±15%		0.125±10%	0.45±10%	145	126	75	39		
WPZ1205CS2R10LT	100±15%				102	90				
WPZ1205CS2R12LT	120±15%				85	74				
WPZ1205CS2R15LT	150±15%				68	59				
WPZ1205CS2R17LT	170±15%				57	50				
WPZ1206AB270NLT	70±15%	@600KHz, 1V	0.115 Max. (0.1Typ.)	0.74 Max. (0.64Typ.)	155	140	88	39		10nH Max.
WPZ1206AB2R10LT	100±15%				110	100				
WPZ1206AB2R12LT	120±15%				92	82				
WPZ1206AB2R15LT	150±15%				70	65				
WPZ1206AB2R18LT	180±15%				60	55				
WPZ1206BS270NLT	70±15%	@100KHz, 1V	0.143Max. (0.13Typ.)	0.429Max. (0.39Typ.)	157	142	78	45	200Vdc 2s 2mA	20%*L Max.
WPZ1206BS2R10LT	100±15%				112	100				
WPZ1206BS2R12LT	120±15%				94	83				
WPZ1206BS2R15LT	150±15%				74	66				
WPZ1206BS2R17LT	170±15%				64	58				
WPZ1206BS2R20LT	200±15%				55	50				
WPZ1206BB270NLT	70±15%				157	142				
WPZ1206BB2R10LT	100±15%				112	100				
WPZ1206BB2R12LT	120±15%				94	83				
WPZ1206BB2R15LT	150±15%				74	66				
WPZ1206BB2R17LT	170±15%				64	58				
WPZ1206BB2R20LT	200±15%				55	50				
WPZ1206CS270NLT	70±15%		0.125±10%	0.37±10%	178	145	75	40	100Vdc 2s 2mA	10nH Ref.
WPZ1206CS2R10LT	100±15%				125	100				
WPZ1206CS2R12LT	120±15%				106	88				
WPZ1206CS2R15LT	150±15%				82	70				
WPZ1206CS2R17LT	170±15%				73	60				
WPZ1206CB270N □ T	70				186	160				
WPZ1206CB2R10 □ T	100				130	112				
WPZ1206CB2R12 □ T	120				108	93				
WPZ1206CB2R15 □ T	150				87	75				
WPZ1206CB2R17 □ T	170				76	66				

※1: 所有的测试数据均在 25°C环境温度进行;
※1: All test data is referenced to 25°C ambient;

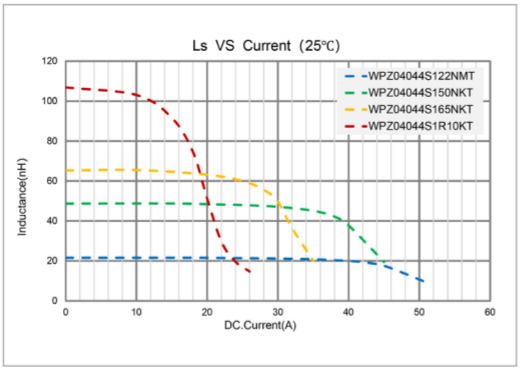
※2: 饱和电流: 使电感值从初始状态下下降约 20% 的直流电流值;
※2: Isat: DC current at which the inductance drops approximate 20% from its value without current;

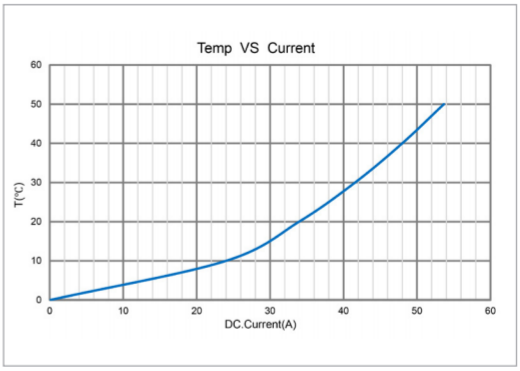
※3: 温升电流: 使产品表面温度从 25°C升高 (△ T =40°C) 的直流电流值。
※3: Irms: DC current that causes the temperature rise (ΔT) from 25°C ambient when two coils connected in series, ΔT is approximate 40°C.

※4: "□"代表电感公差，K±10%，L±15%。
※4: "□"stands for inductance tolerance,K±10%,L±15%.

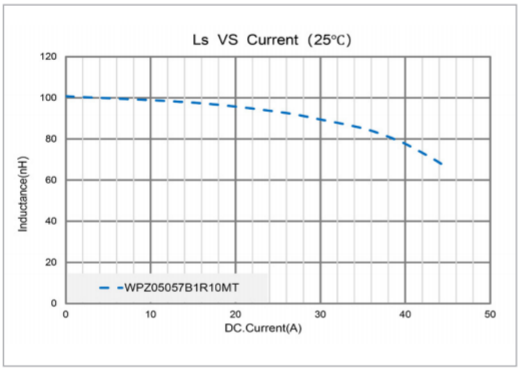
电气特性
Typical Electrical Characteristics

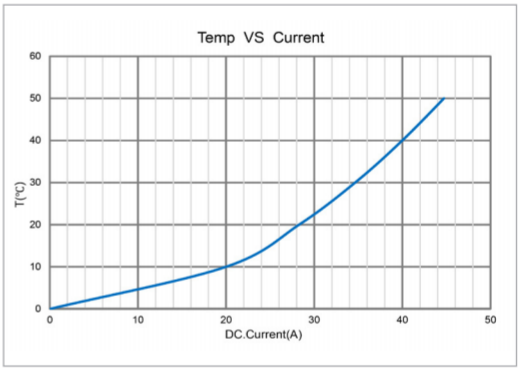
WPZ04044S1 Series



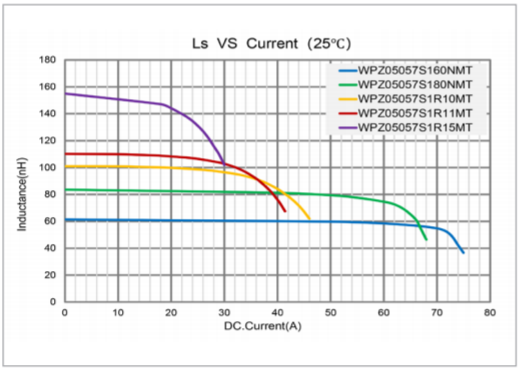


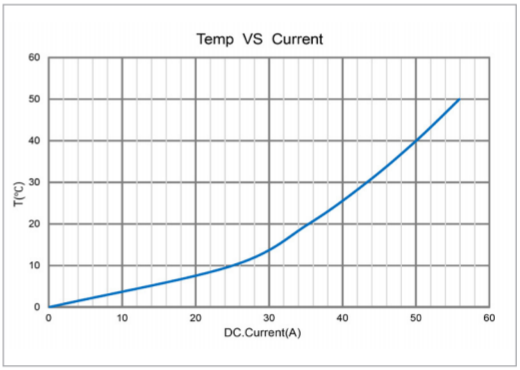
WPZ05057B1 Series



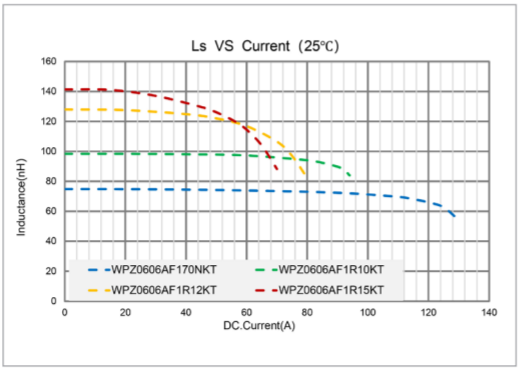


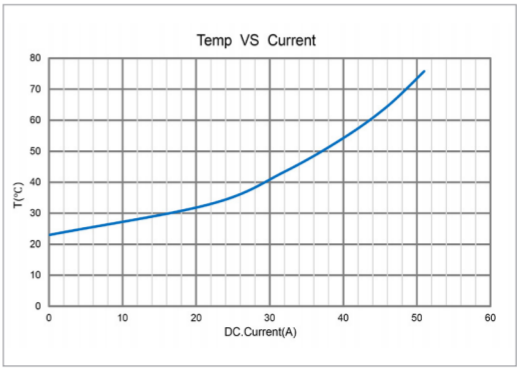
WPZ05057S1 Series





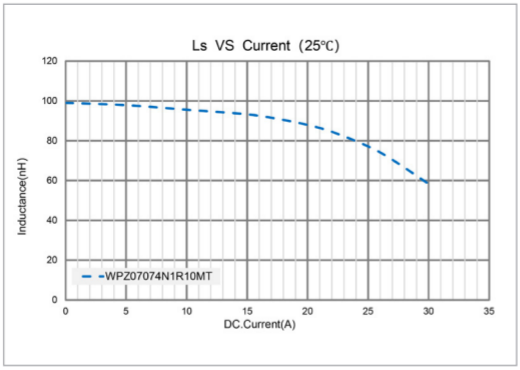
WPZ0606AF1 Series

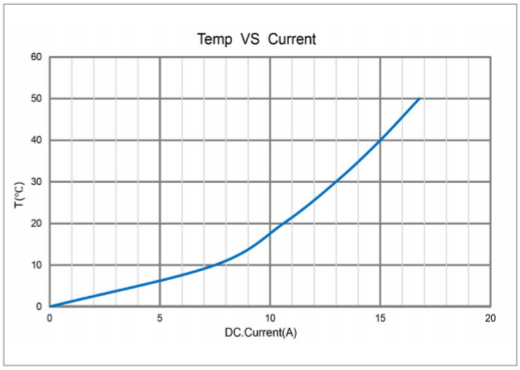




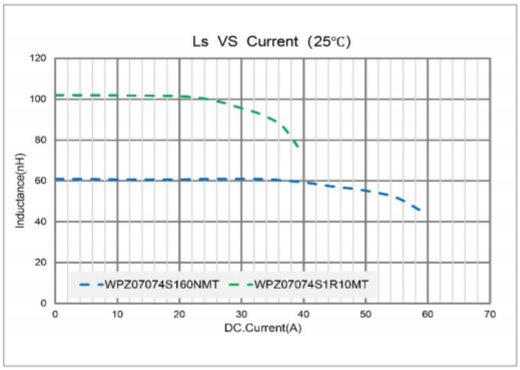
电气特性
Typical Electrical Characteristics

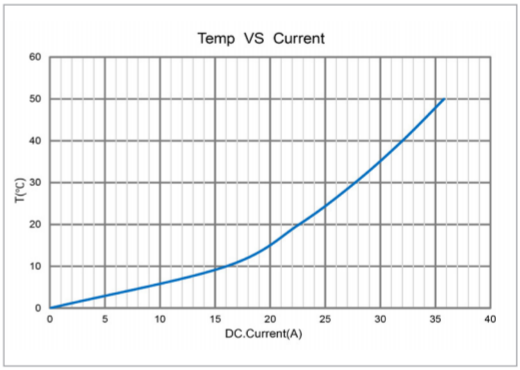
WPZ07074N1 Series



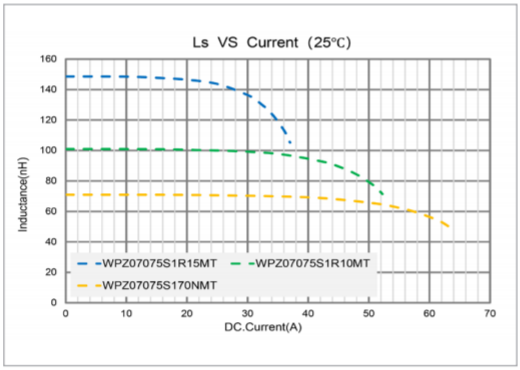


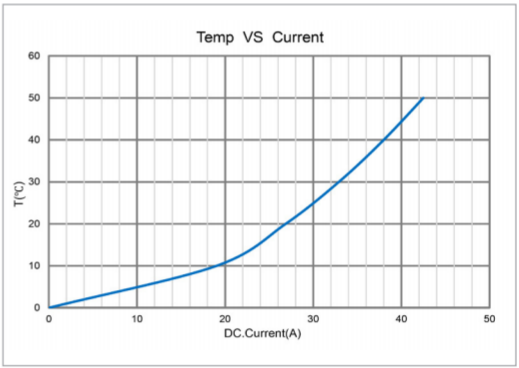
WPZ07074S1 Series



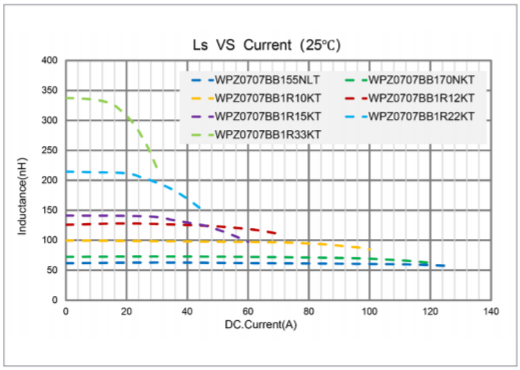


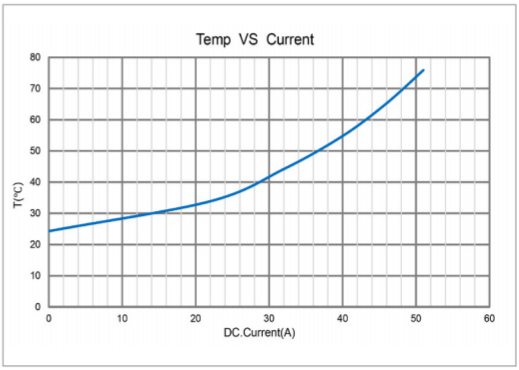
WPZ07075S1 Series





WPZ0707BB1 Series

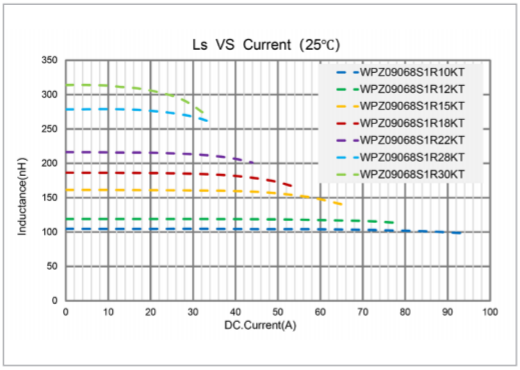


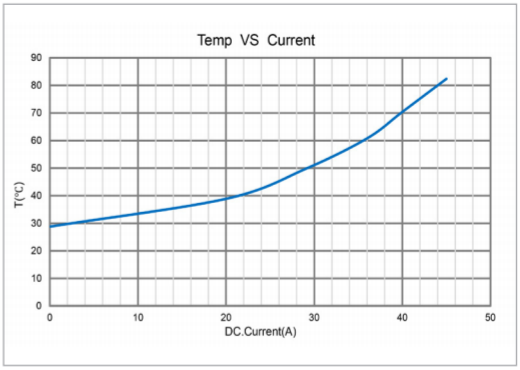


电气特性

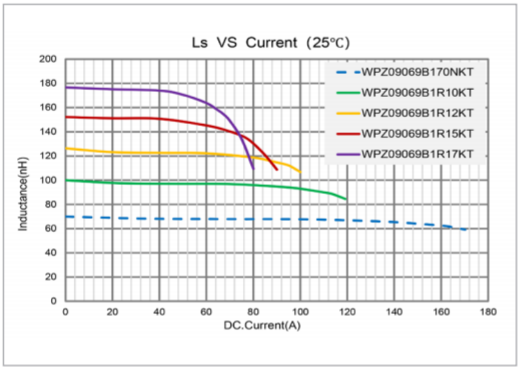
Typical Electrical Characteristics

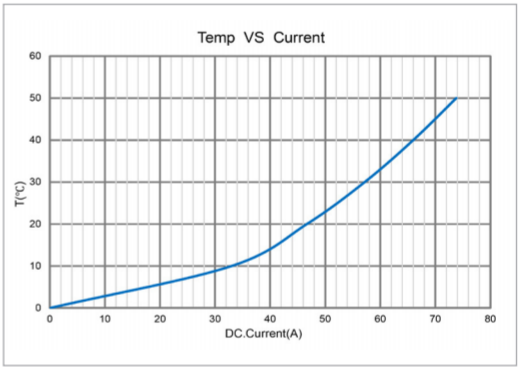
WPZ09068S1 Series



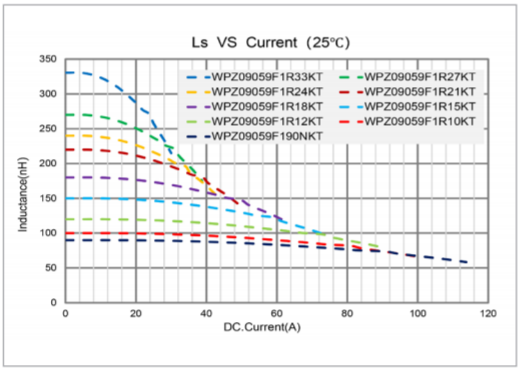


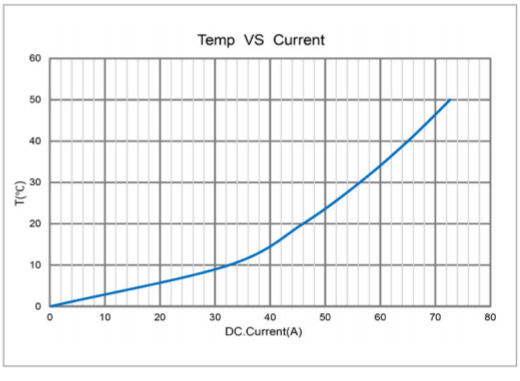
WPZ09069B1 Series





WPZ09059F1 Series





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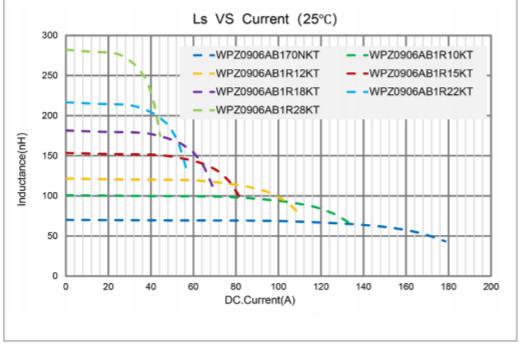
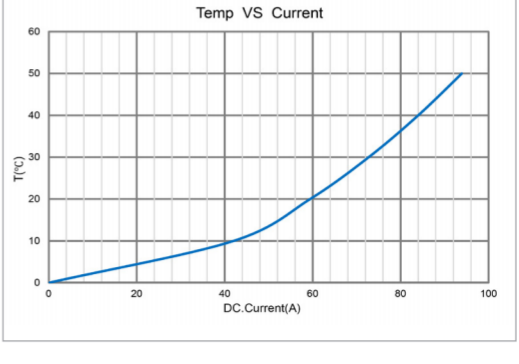
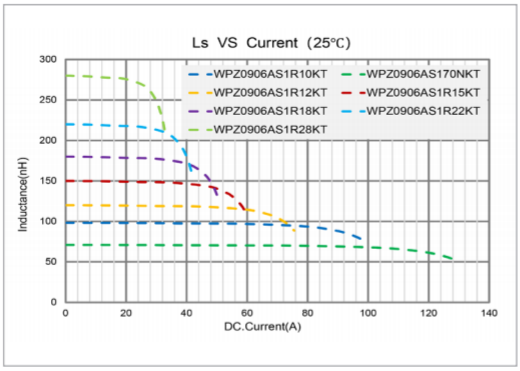
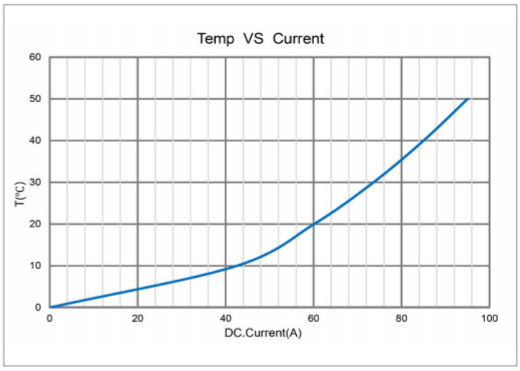




电气特性
Typical Electrical Characteristics

WPZ0906AS1 Series





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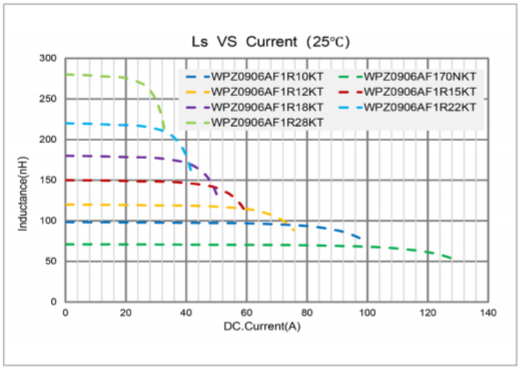
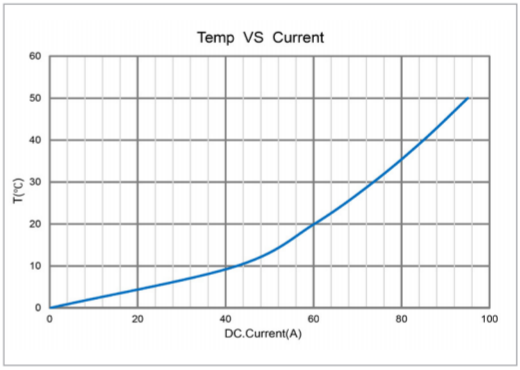
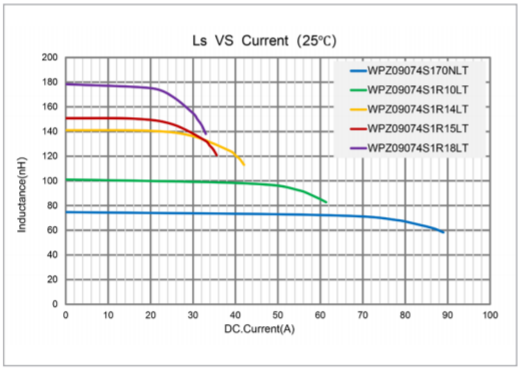
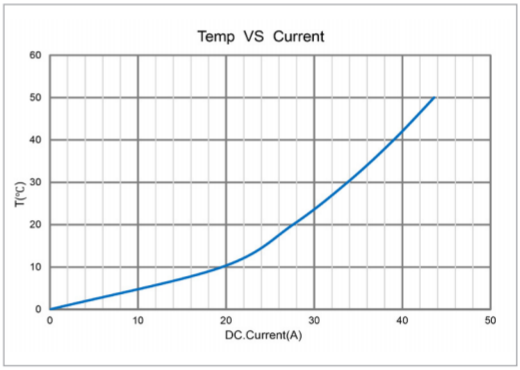


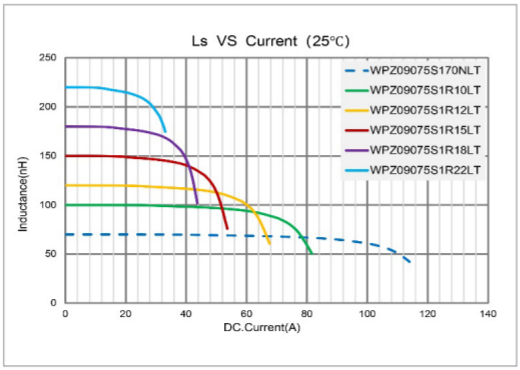


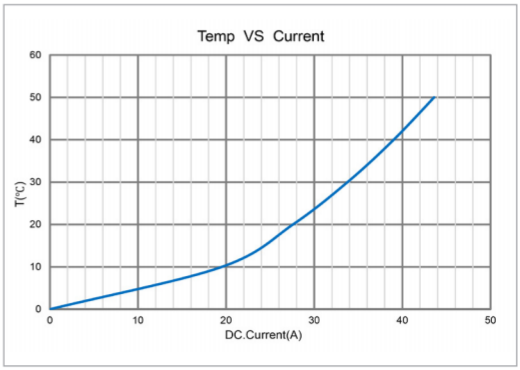
WPZ09074S1 Series





WPZ09075S1 Series

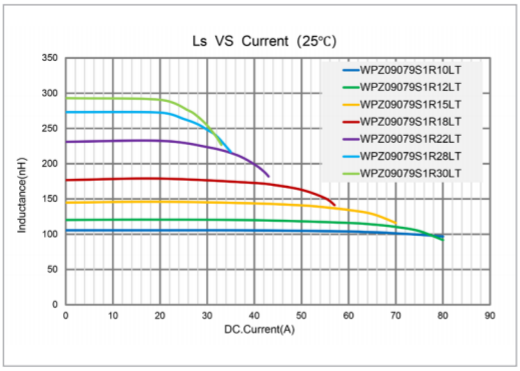


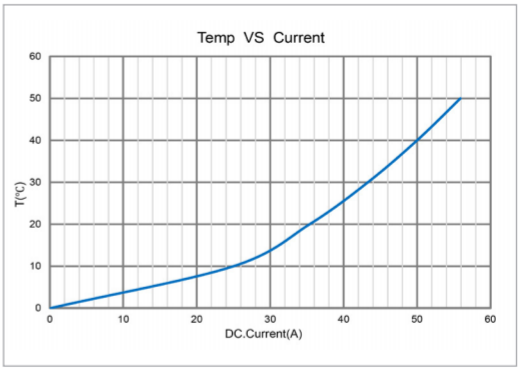


电气特性

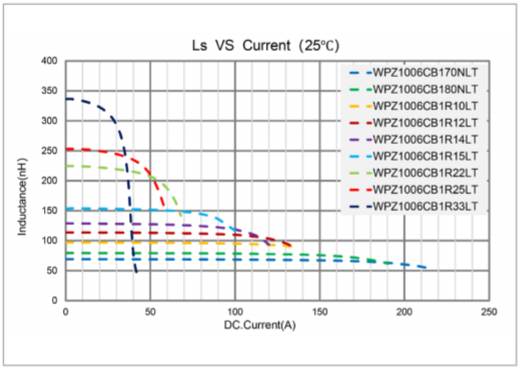
Typical Electrical Characteristics

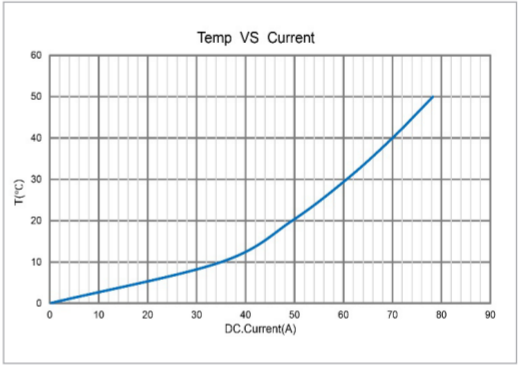
WPZ09079S1 Series



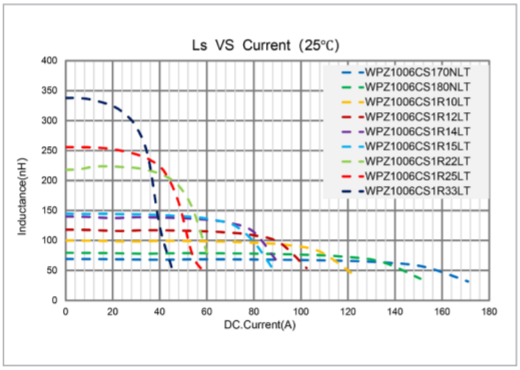


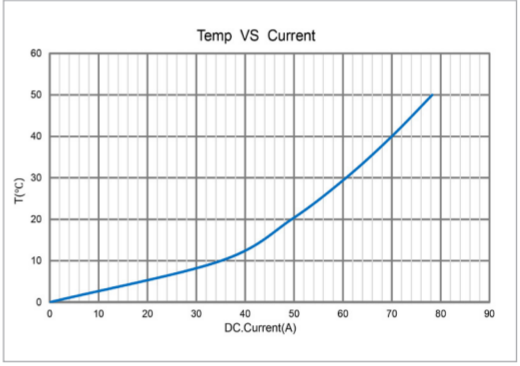
WPZ1006CB1 Series





WPZ1006CS1 Series





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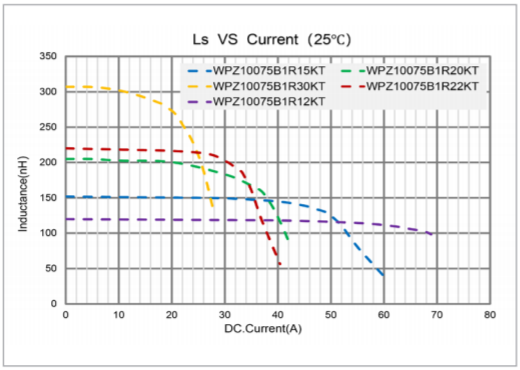
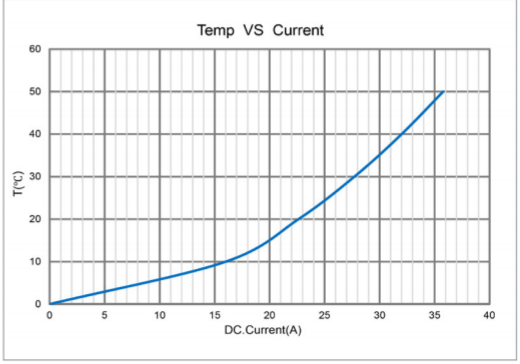
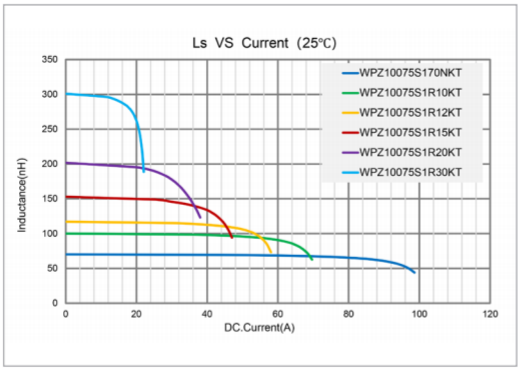
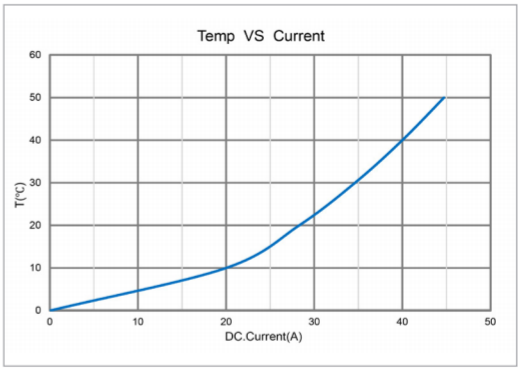




电气特性
Typical Electrical Characteristics

WPZ10075S1 Series





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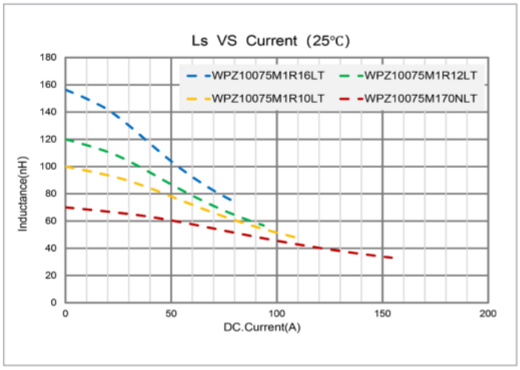
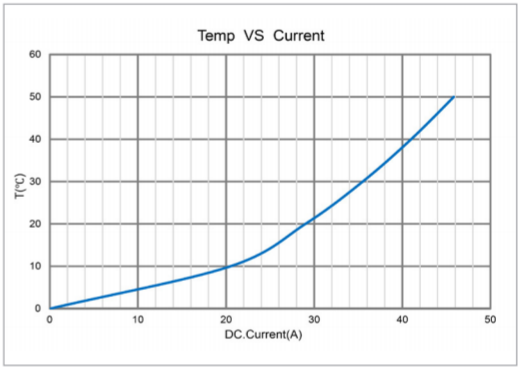
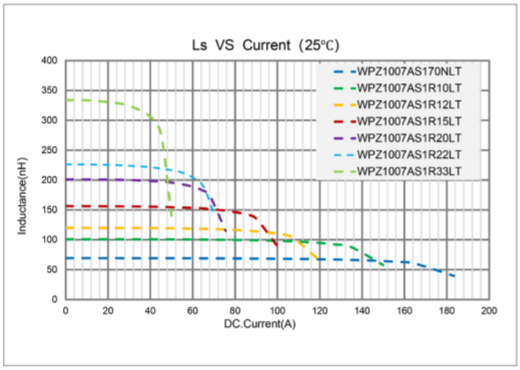
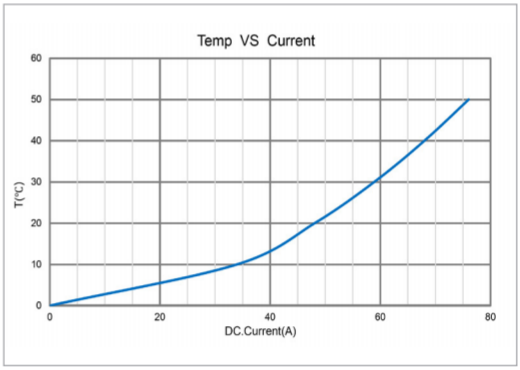




WPZ1007AS1 Series





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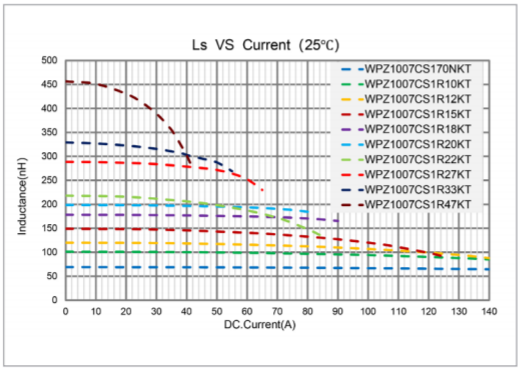
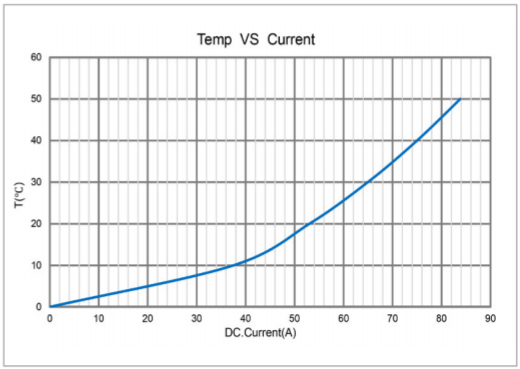
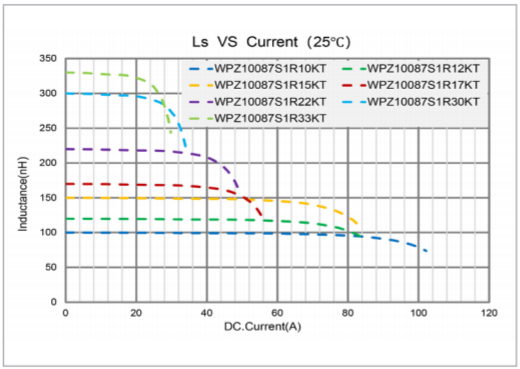
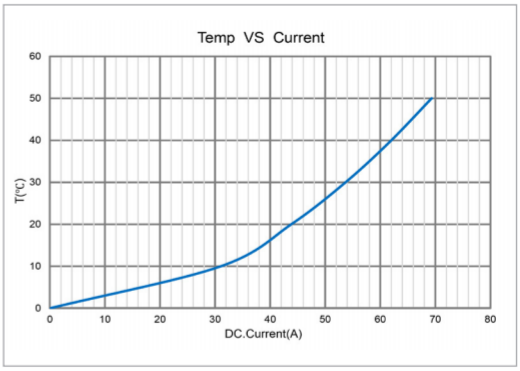




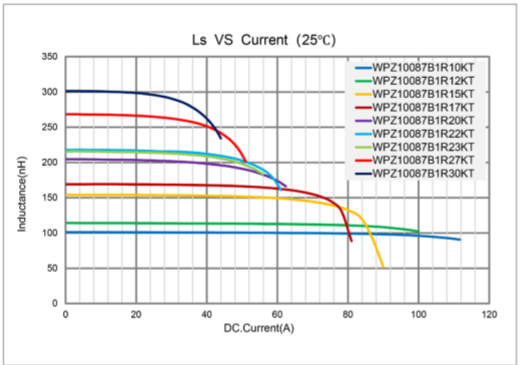
电气特性
Typical Electrical Characteristics

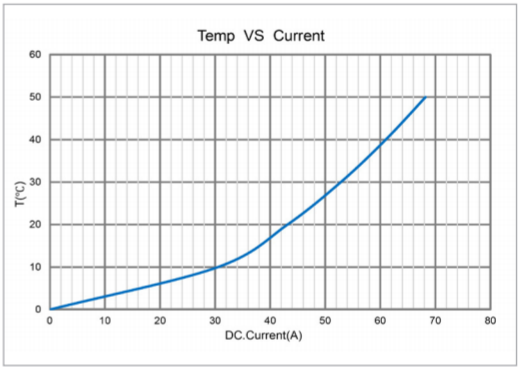
WPZ10087S1 Series



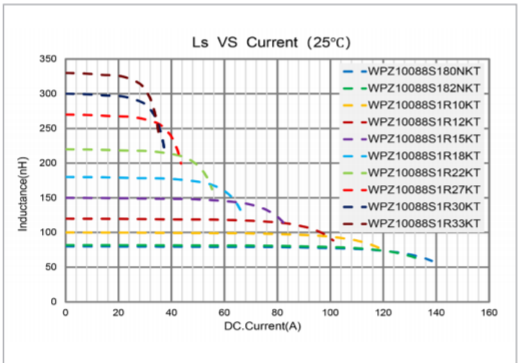


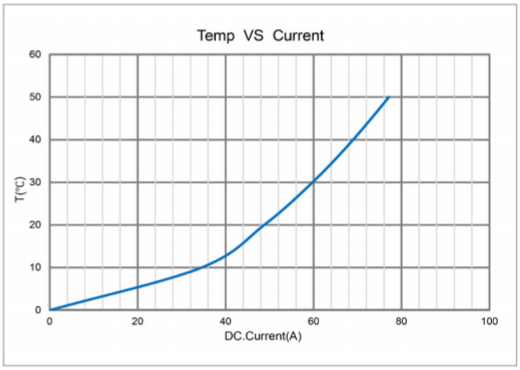
WPZ10087B1 Series



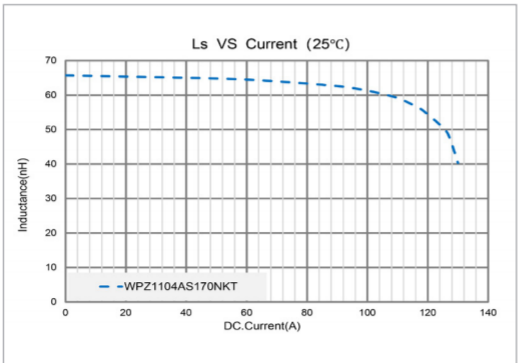


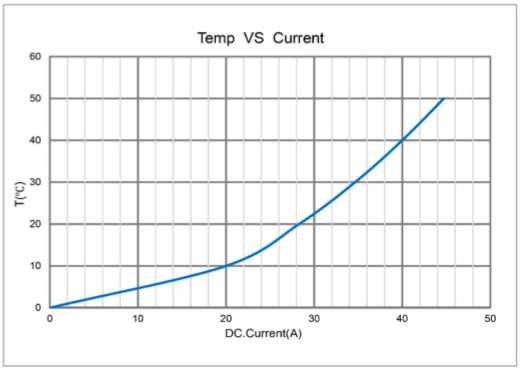
WPZ10088S1 Series





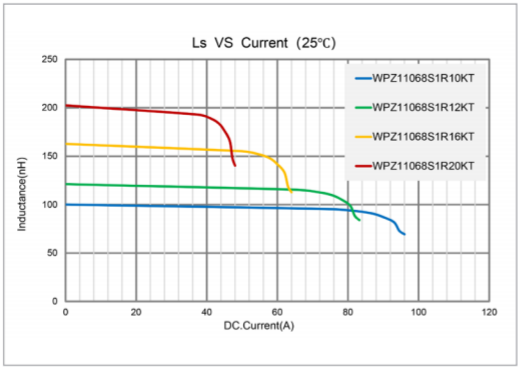
WPZ1104AS1 Series

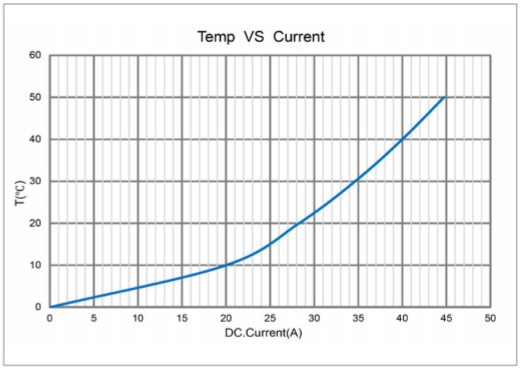




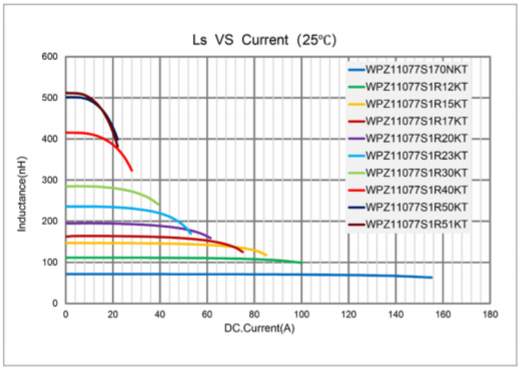
电气特性
Typical Electrical Characteristics

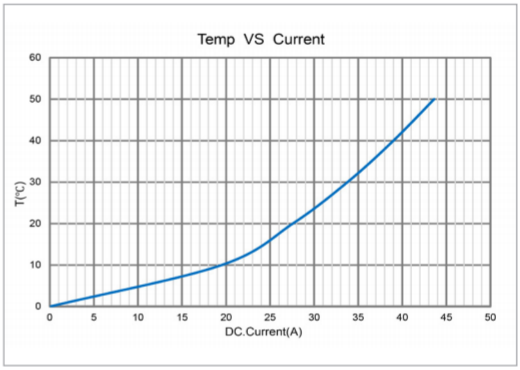
WPZ11068S1 Series



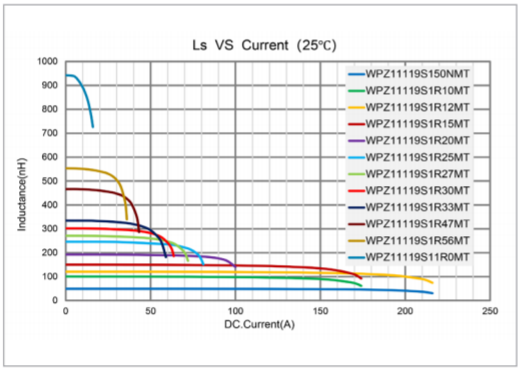


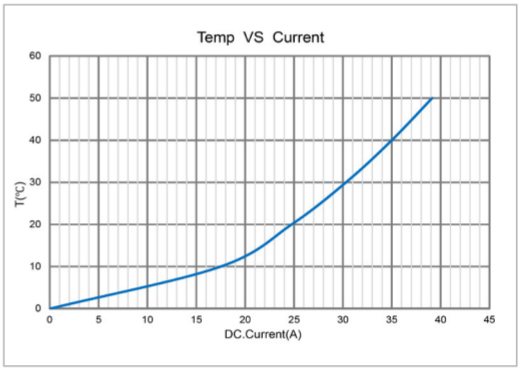
WPZ11077S1 Series





WPZ11119S1 Series





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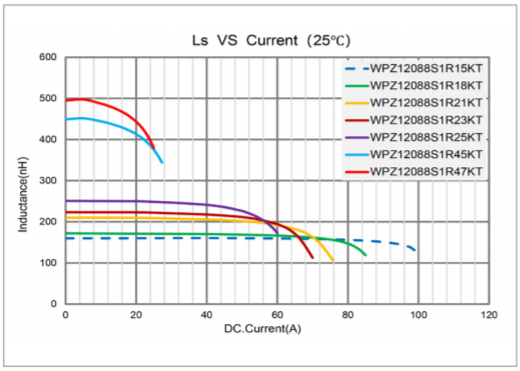
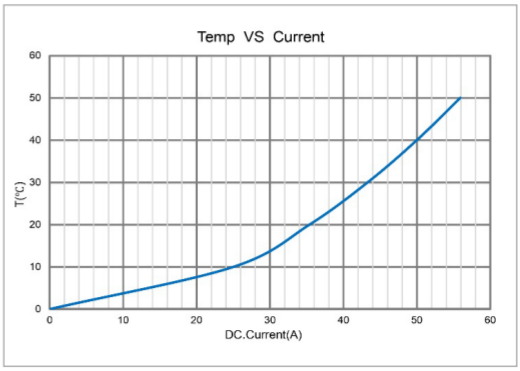
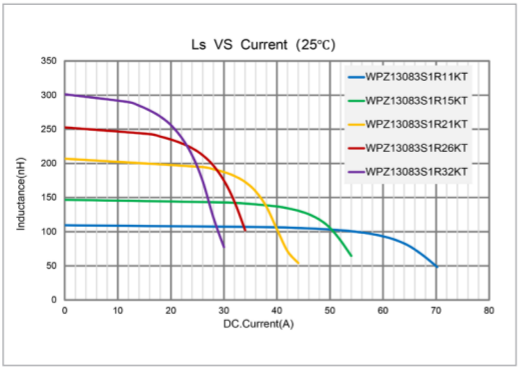


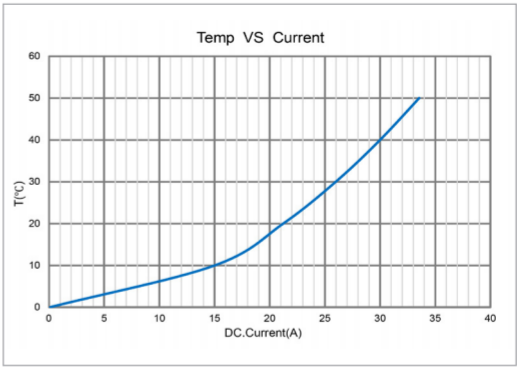


电气特性

Typical Electrical Characteristics

WPZ13083S1 Series





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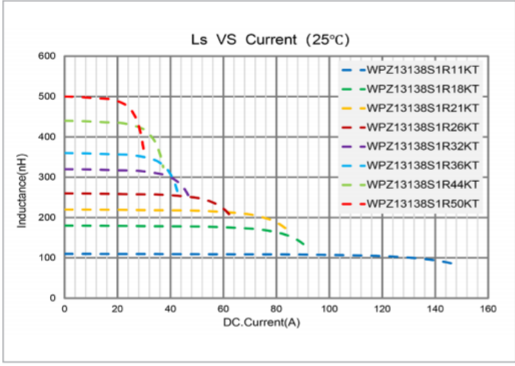
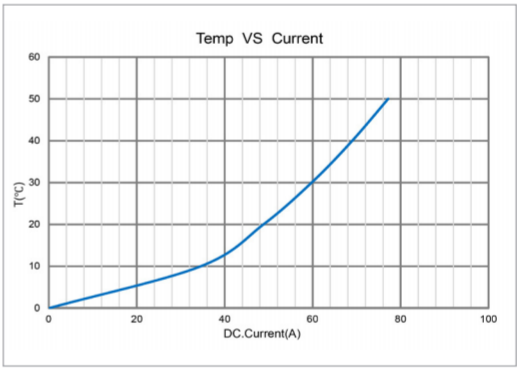
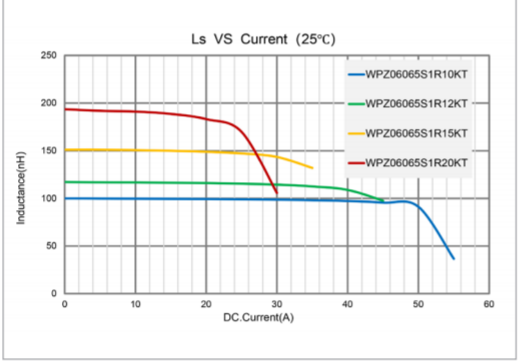
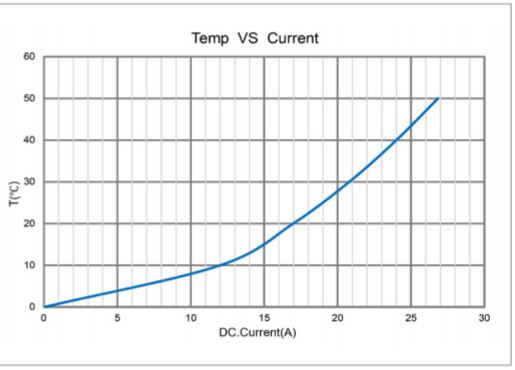


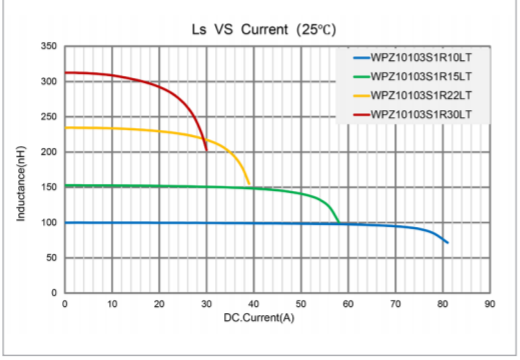


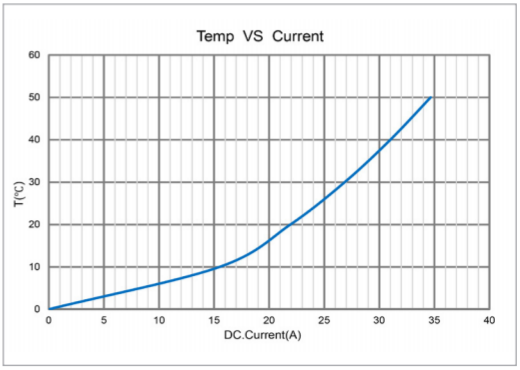
WPZ06065S1 Series





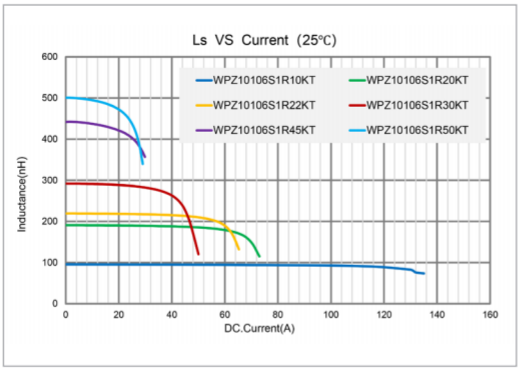
WPZ10103S1 Series

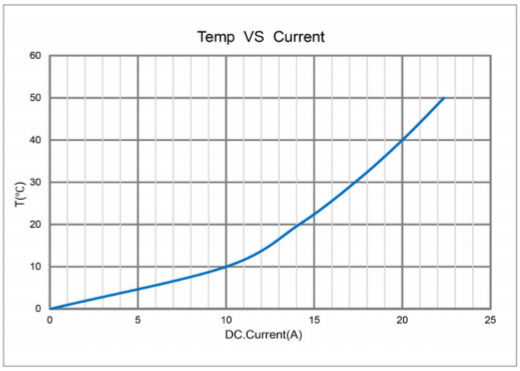




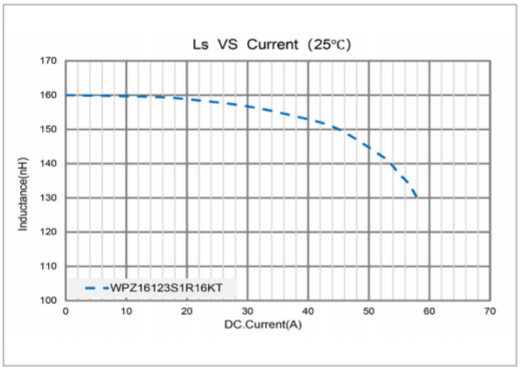
电气特性
Typical Electrical Characteristics

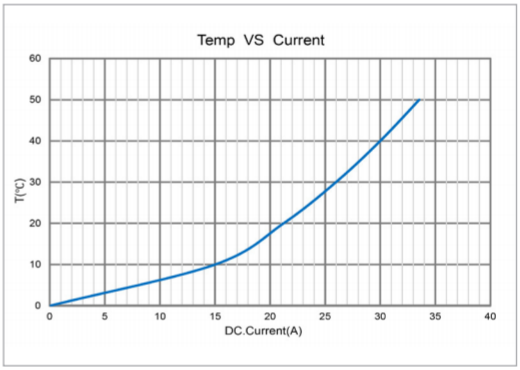
WPZ10106S1 Series





WPZ16123S1 Series





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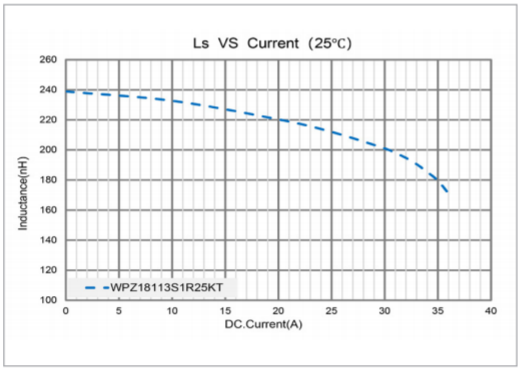
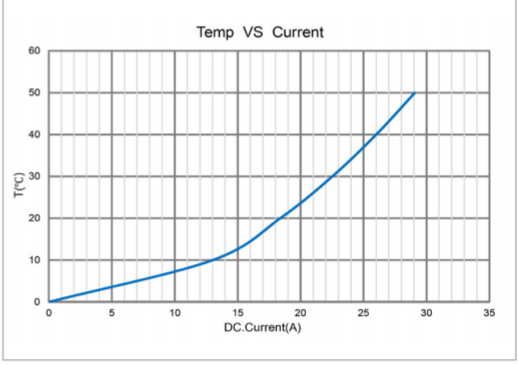
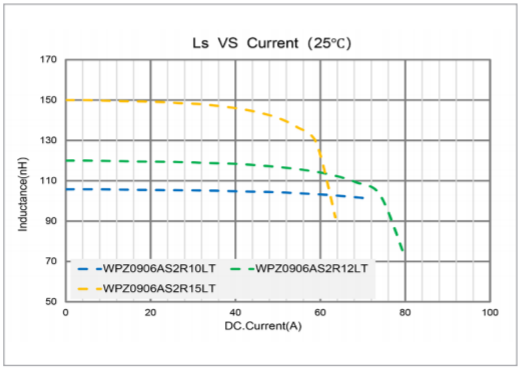
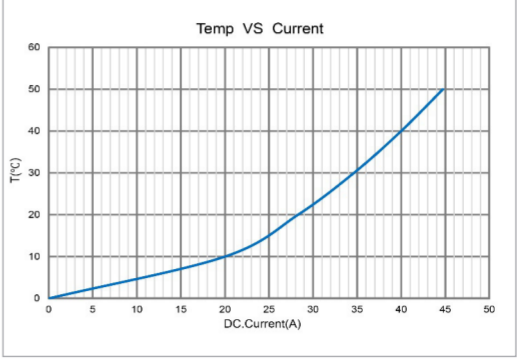




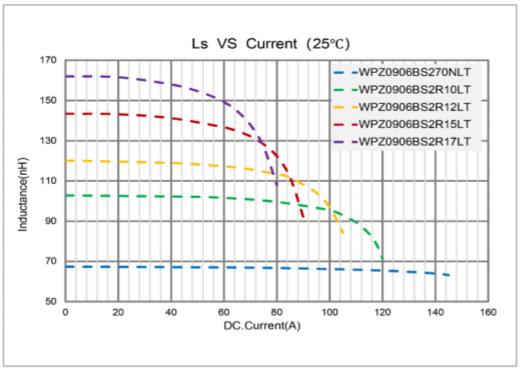
WPZ0906AS2 Series

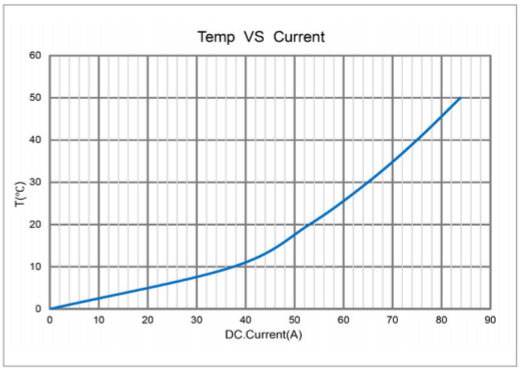




电气特性
Typical Electrical Characteristics

WPZ0906BS2 Series





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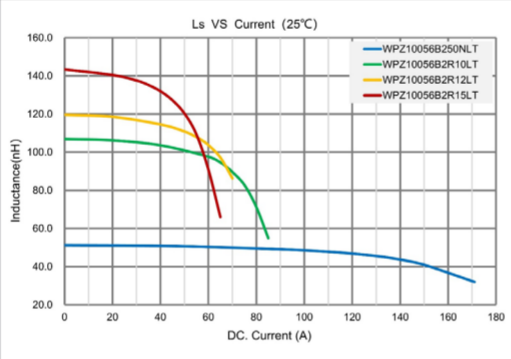
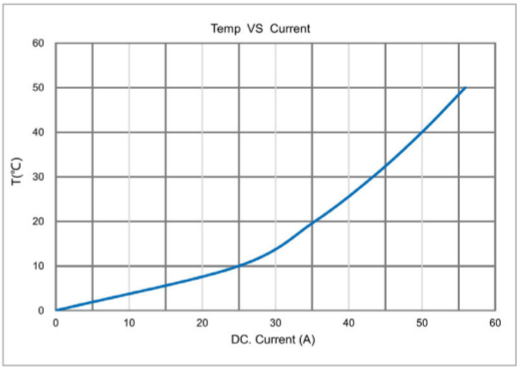
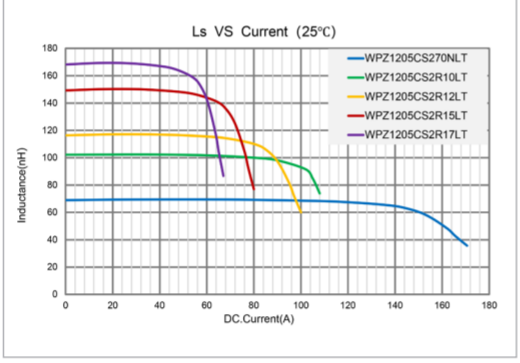
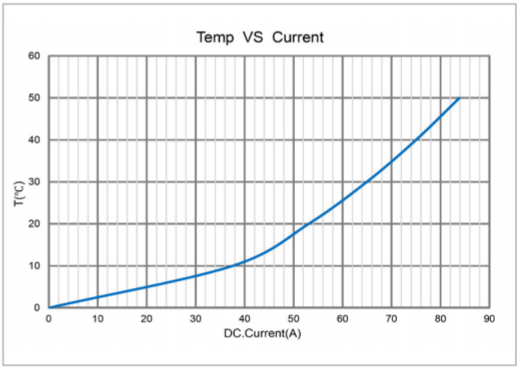


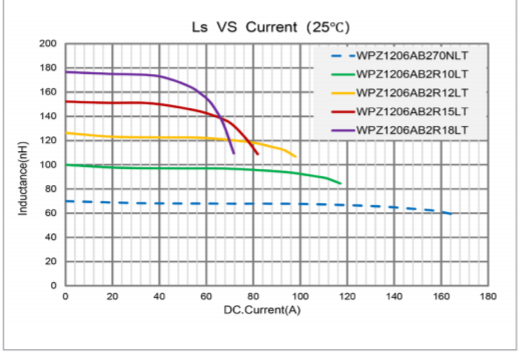


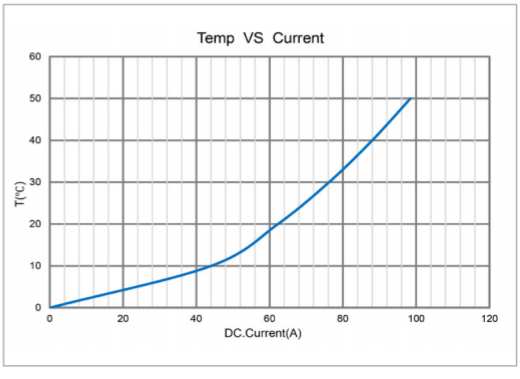
WPZ1205CS2 Series





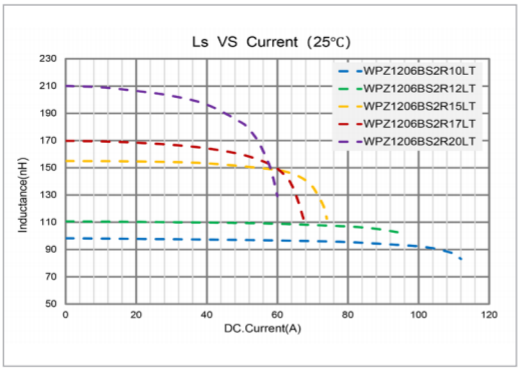
WPZ1206AB2 Series

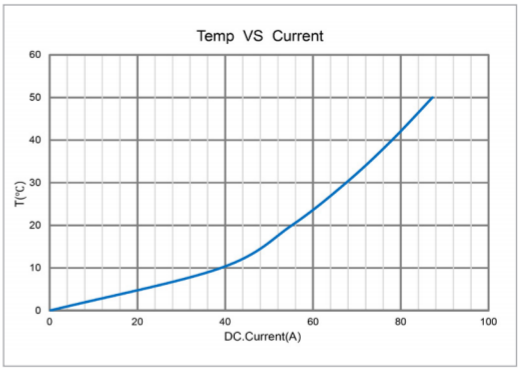




电气特性
Typical Electrical Characteristics

WPZ1206BS2 Series





WPZ1206CS2 Series