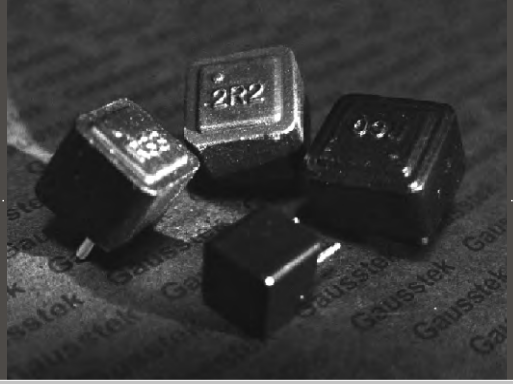


Gausstek Corp.

LEADED SUPER POWER INDUCTORS

Series KP - O *Molded Type*

FEATURES

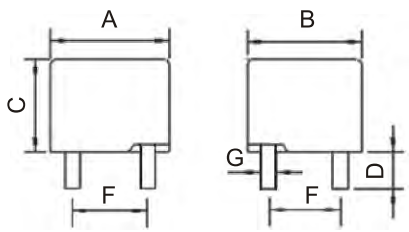
- No air-space, Magnetic powder is filled inside.
- Low DCR, Lower Loss, Low profile package with Large Curren Design.
- Magnetic shielded construction for high density board assembly.
- Good DC current characteristics in high frequency and high temperature.
- Large energy storage capability.
- Flexability for Customer Specification Design

PRODUCT IDENTIFICATION

KP	07	O	07	X	M	250N
a	b	c	d	e	f	g

a : Type of products	-	LEADED SUPPER POWER INDUCTORS
b : Dimension(mm) max	-	07 = 7.9X7.9, 10 = 11.0X11.0, 11 = 11.5X11.5, 13 = 13.5X12.5
c : Materials	-	Molded
d : Thickness(mm) max	-	Series of thickness
e : Packing (PCS / REEL)	-	A = 100, M=120, W=130, N=240
f : Tolerance	-	M : ±20%
g : Inductance	-	250N = 0.25uH , 600N = 0.6 uH

SHAPES & DIMENSIONS

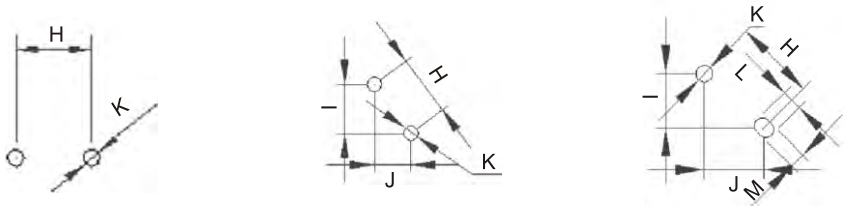


Unit : mm

Parts Number	A max.	B max.	C max.	D±0.5	E	F	G
KP07O07	7.9	7.9	**	3.5	5.0±0.5	--	0.8±0.2
KP10O10	11.0	11.0	**	3.5	4.5±1.0	6.0±1.0	**
KP11O10	11.5	11.5	*	3.5	6.3±0.5	5.7±0.5	**
KP13O10	13.5	12.5	10.0	3.5	7.6±0.5	6.5±0.5	**

* Reference to ELECTRICAL CHARACTERISTICS for series KP11O10 only
** Reference to ELECTRICAL CHARACTERISTICS

LAND PATTERN



KP07O07 KP10O10 KP11O10&KP13O10

Unit : mm

Parts Number	H	I	J	K	L	M
KP07O07	5.0 typ.	--	--	1.3 max	--	--
KP10O10	7.5±1.0	6.0±0.1	4.5±0.1	2.0 max	--	--
KP11O10	8.5±0.5	5.7±0.5	6.3±0.5	**	2.0	**
KP13O10	10.0±0.5	6.5±0.5	7.6±0.5	**	**	**

** Reference to ELECTRICAL CHARACTERISTICS

Series KP-O *Molded Type*
ELECTRICAL CHARACTERISTICS
KP07O07

Part Number	Inductance @ 100KHz/1V/0A	Typical Heat Rating D.C Current	Typical Saturation D.C Current	DCR (m Ω) @ 25°C		Dimensions C mm max.
	μH ±20%	(A) max.	(A) max.	typ.	max.	
KP07O07NM800N	0.8	14	25	3.30	4.50	8.00
KP07O07NM1U	1	14	20	3.30	4.50	8.00
KP07O07NM1U2	1.2	15	20	4.00	4.80	8.50
KP07O07NM1U5	1.5	15	20	4.00	4.80	8.00
KP07O07NM1U6	1.6	15	18	4.00	4.50	8.50

KP10O10

Part Number	Inductance @ 100KHz /1V/0A	Typical Heat Rating D.C Current	Typical Saturation D.C Current	DCR (m Ω) @ 25°C		Dimensions C max	Dimensions G mm ±0.1
	μH ±20%	(A) max.	(A) max.	typ.	max.		
KP10O10WM150N	0.15	40	60	0.45	0.60	9.00	1.4
KP10O10WM200N	0.2	40	60	0.45	0.60	9.00	1.4
KP10O10WM250N	0.25	40	60	0.65	0.75	10.00	1.4
KP10O10WM300N	0.3	40	60	0.65	0.75	10.00	1.4
KP10O10WM330N	0.33	40	60	0.65	0.75	10.00	1.4
KP10O10WM360N	0.36	40	50	0.65	0.75	10.00	1.4
KP10O10WM390N	0.39	40	50	0.65	0.75	10.00	1.4
KP10O10WM470N	0.47	40	50	0.65	0.75	10.00	1.4
KP10O10WM600N	0.6	35	50	0.90	1.10	10.00	1.4
KP10O10WM680N	0.68	35	40	0.90	1.10	10.00	1.4
KP10O10WM800N	0.8	33	40	1.1	1.30	10.00	1.4
KP10O10WM1U	1	27	40	1.55	1.80	10.00	1.2
KP10O10WM1U2	1.2	25	30	1.9	2.20	10.00	1.2
KP10O10WM1U5	1.5	21	30	2.7	3.00	10.00	1
KP10O10WM1U8	1.8	21	30	2.7	3.00	10.00	1
KP10O10WM2U2	2.2	18	30	3.7	4.00	10.00	1

LEADED SUPER POWER INDUCTORS

Series KP-O *Molded type*

ELECTRICAL CHARACTERISTICS

KP11O10

Part Number	Inductance @ 100KHz /1V/0A	Typical Heat Rating D.C Current	Typical Saturation D.C Current	DCR (m Ω) @ 25°C		Dimensions C mm max.	Dimensions G mm ±0.1	Dimensions K & M mm
	μH ±20%	(A) max.	(A) max.	typ.	max.			
KP11O10MM250N	0.25	45	60	0.70	0.80	8.00	1.5	1.7
KP11O10MM300N	0.3	45	60	0.70	0.80	8.00	1.5	1.7
KP11O10MM330N	0.33	45	70	0.70	0.80	8.00	1.5	1.7
KP11O10MM360N	0.36	45	60	0.70	0.80	8.00	1.5	1.7
KP11O10MM400N	0.4	45	50	0.70	0.80	8.00	1.5	1.7
KP11O10MM470N	0.47	40	50	0.80	1.00	9.00	1.5	1.7
KP11O10MM500N	0.5	40	50	0.8	1.00	9.00	1.5	1.7
KP11O10MM560N	0.56	40	50	0.8	1.00	9.00	1.5	1.7
KP11O10MM600N	0.6	40	50	0.8	1.00	9.00	1.5	1.7
KP11O10MM680N	0.68	35	40	1	1.20	9.00	1.4	1.7
KP11O10MM800N	0.8	25	45	1.3	1.60	10.00	1.4	1.7
KP11O10MM1U	1	25	45	1.4	1.80	10.00	1.4	1.7
KP11O10MM1U2	1.2	23	33	1.7	2.00	10.00	1.2	1.6
KP11O10MM1U5	1.5	21	32	2.2	2.50	10.00	1.2	1.6
KP11O10MM2U	2	15	27	3.3	4.00	10.00	1	1.5
KP11O10MM2U2	2.2	15	40	4.5	5.00	10.00	1	1.5
KP11O10MM2U5	2.5	15	25	4.5	5.00	10.00	1	1.5

KP13O10

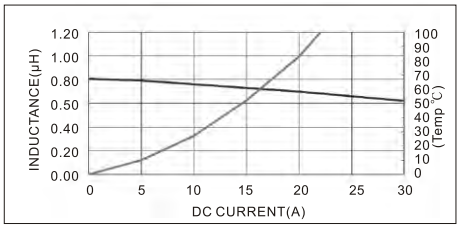
Part Number	Inductance @ 100KHz /1V	Typical Heat Rating D.C Current	Typical Saturation D.C Current	DCR (m Ω) @ 25°C		Dimensions G mm ±0.1	Dimensions K & M mm	Dimensions L mm
	μH ±20%	(A) max.	(A) max.	typ.	max.			
KP13O10AM220N	0.22	45	60	0.40	0.55	1.7	2	2.4
KP13O10AM300N	0.3	40	60	0.55	0.70	1.7	2	2.4
KP13O10AM330N	0.33	40	60	0.55	0.70	1.7	2	2.4
KP13O10AM360N	0.36	40	60	0.55	0.70	1.7	2	2.4
KP13O10AM390N	0.39	40	60	0.55	0.70	1.7	2	2.4
KP13O10AM470N	0.47	40	60	0.70	0.80	1.7	2	2.4
KP13O10AM500N	0.5	40	60	0.70	0.80	1.7	2	2.4
KP13O10AM560N	0.56	40	60	0.7	0.80	1.7	2	2.4
KP13O10AM600N	0.6	40	60	0.7	0.80	1.7	2	2.4
KP13O10AM680N	0.68	40	50	0.7	0.80	1.7	2	2.4
KP13O10AM800N	0.8	40	50	0.7	0.85	1.7	2	2.4
KP13O10AM1U	1	30	50	1.2	1.35	1.5	1.8	2.2
KP13O10AM1U2	1.2	30	40	1.2	1.50	1.5	1.8	2.2
KP13O10AM1U5	1.5	25	30	1.5	1.70	1.4	1.8	2.2
KP13O10AM2U	2	17	25	2.9	3.30	1.2	1.5	1.7
KP13O10AM2U2	2.2	17	25	2.9	3.30	1.2	1.5	1.7

LEADED SUPER POWER INDUCTORS

Series KP-O ***Molded Type***

CURVE

KP07O7NM800N



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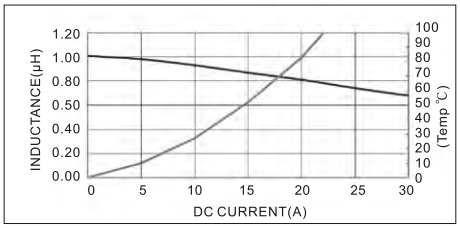

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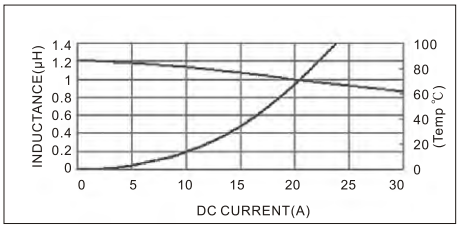

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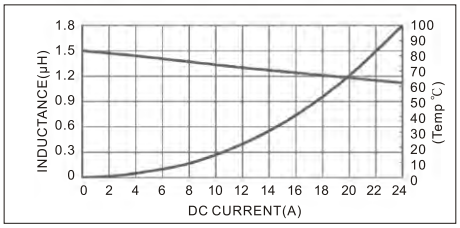

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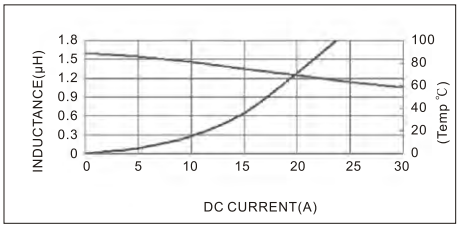

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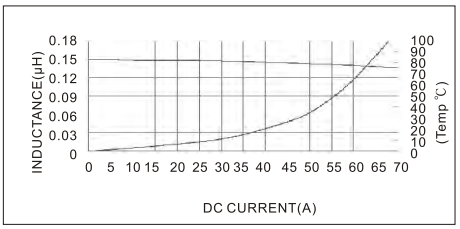

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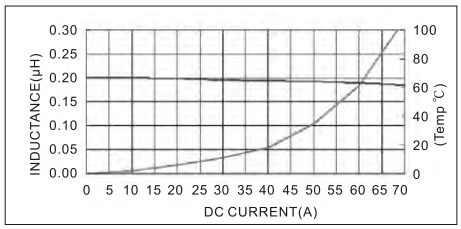

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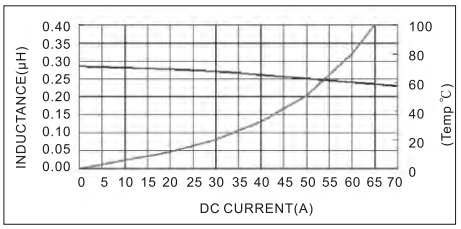

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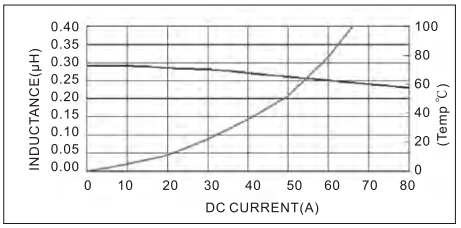

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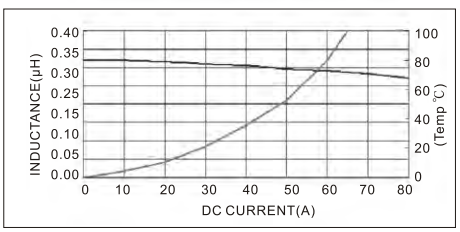

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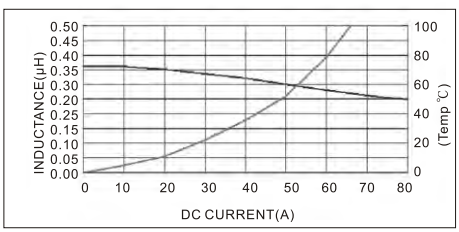

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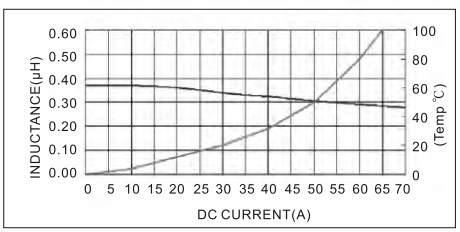

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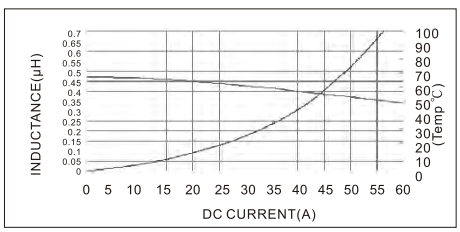

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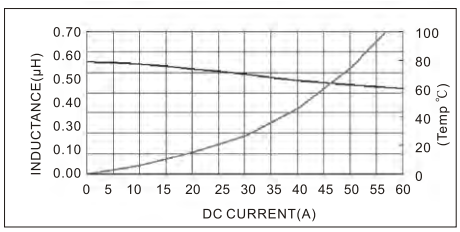

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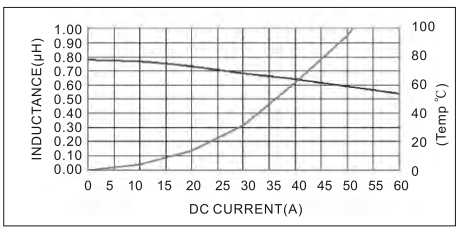

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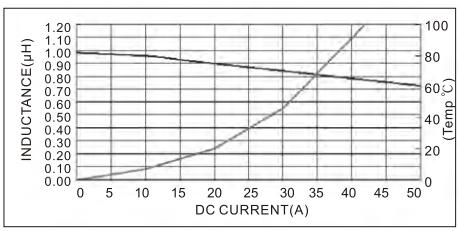

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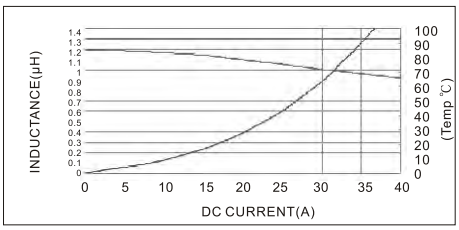

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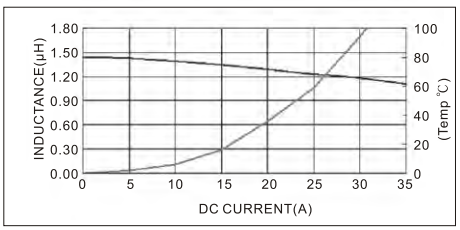

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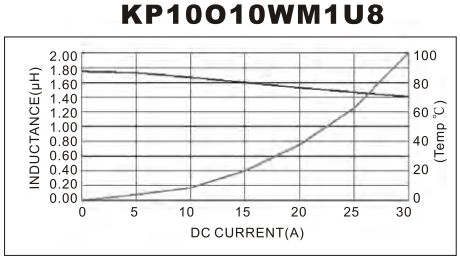

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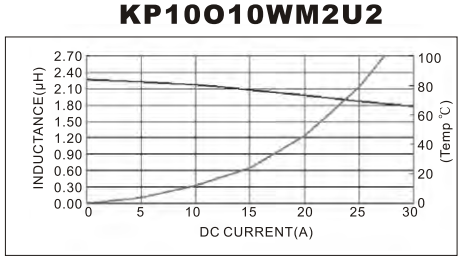
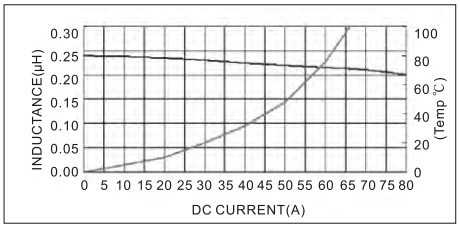


LEADED SUPER POWER INDUCTORS

Series KP-O *Molded Type*

KP11O10 Series

KP11O10MM250N



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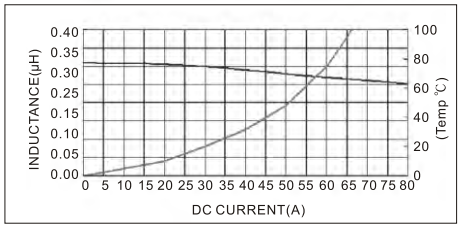

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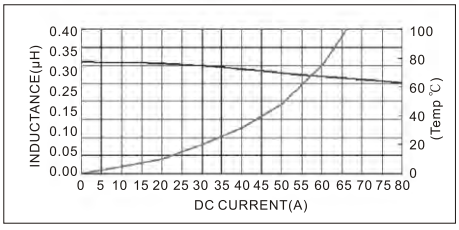

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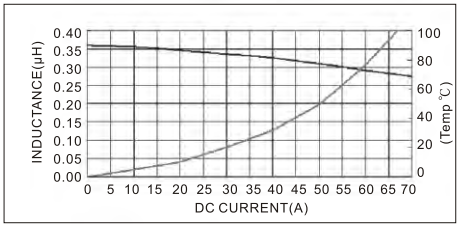

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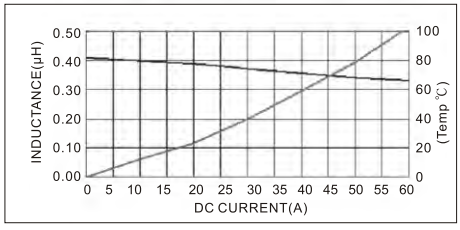

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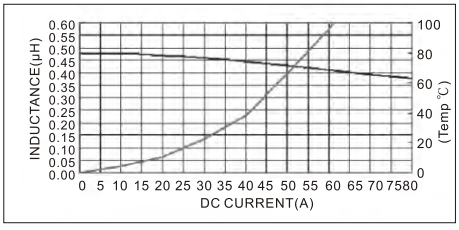

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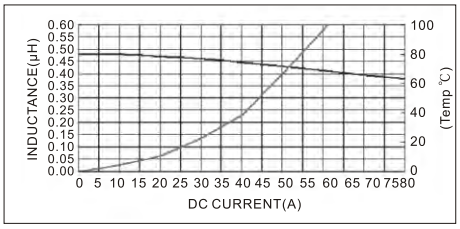

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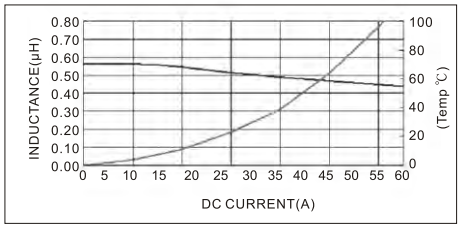

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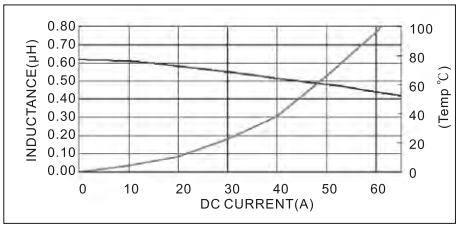

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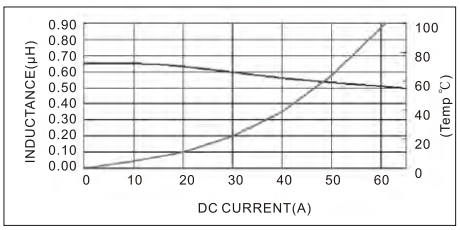

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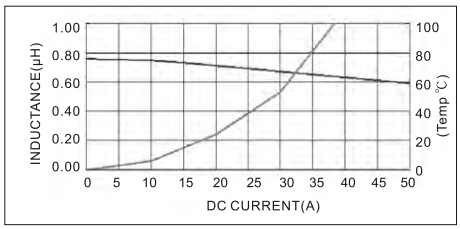
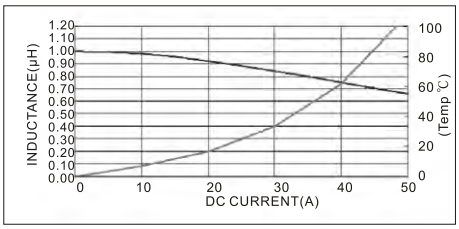


KP11O10MM1U



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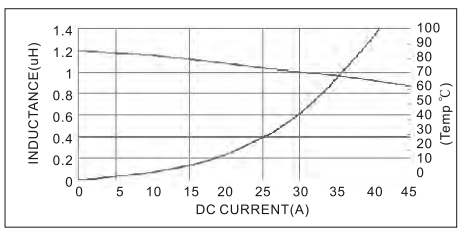

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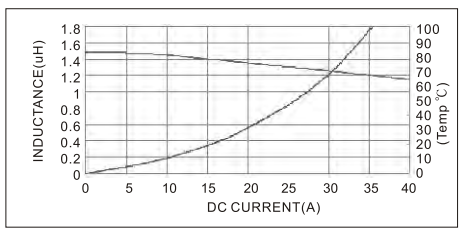

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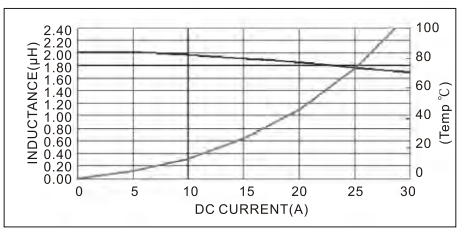

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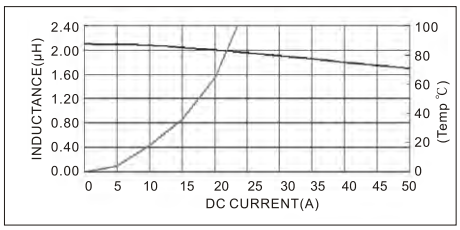

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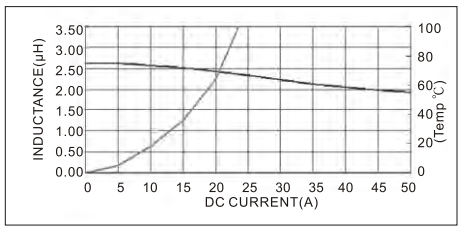
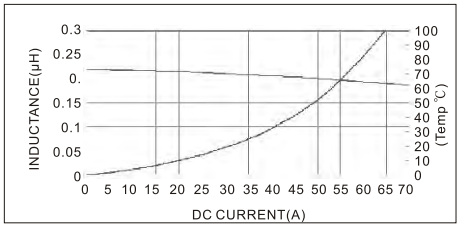


Series KP-O *Molded type*

KP13O10 Series

KP13O10AM220N



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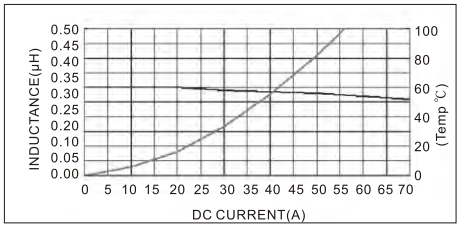

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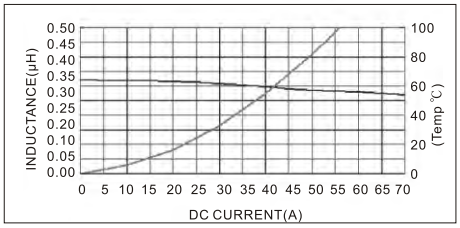

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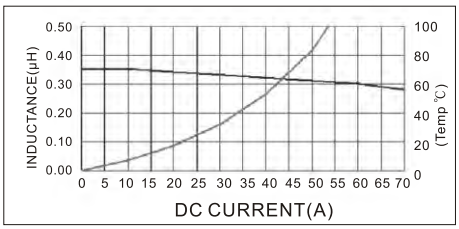

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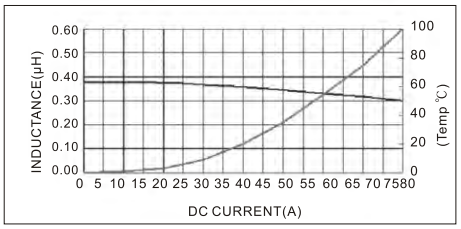

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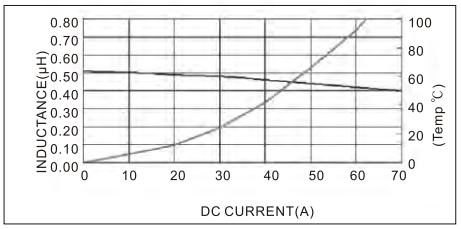

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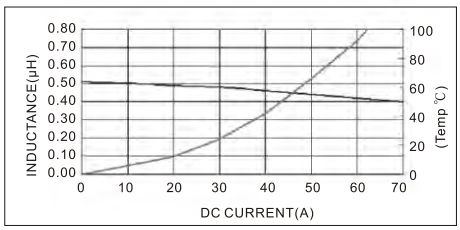

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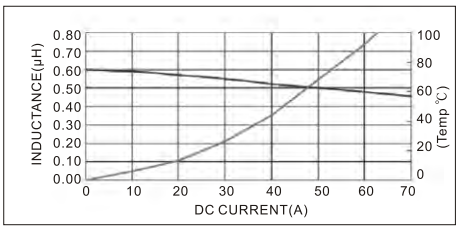

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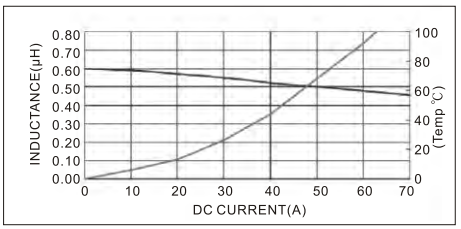

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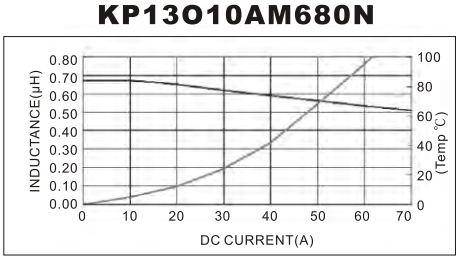

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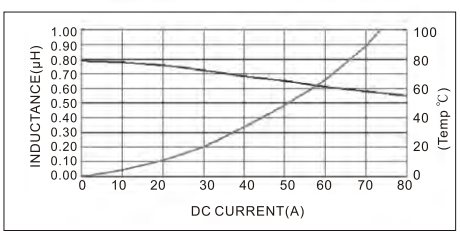

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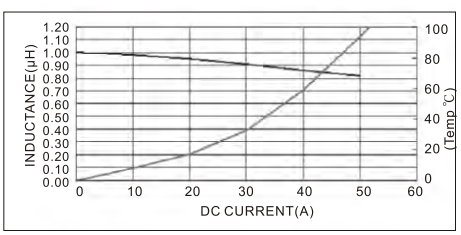

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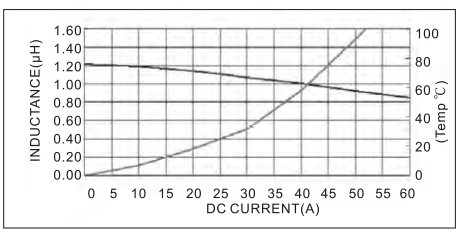

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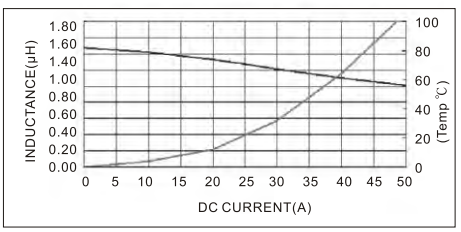

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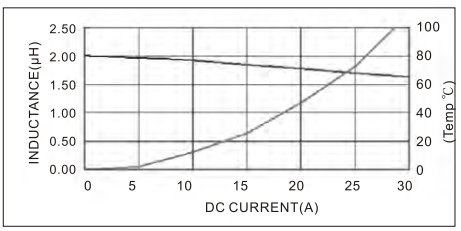

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