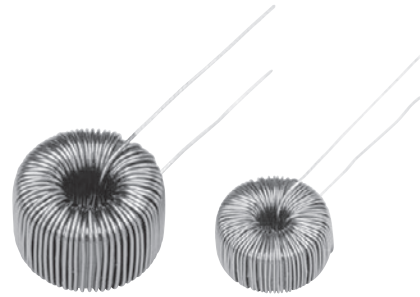


■主要用途

- 开关电源输出平滑用
- 差模扼流噪声对策

■特点

- 和铁氧体扼流圈相比, 实现小型化。
- 和硅钢扼流圈相比, 高频铁损降低。
- 和压粉系列扼流圈相比, 直流叠加特性、温度特性更加优异。
- 漏磁通的方向被限制为1个方向, 有利于零件间接近配置。



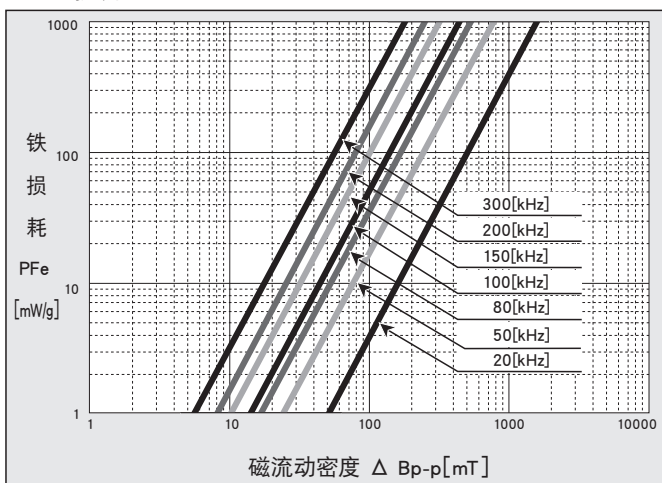
◆磁芯一般规格

磁芯型号 (原产品名称: 参考)	简称	有效横截面 面积 cm ²	平均磁力 电路长度 cm	外包装尺寸 (公称尺寸)			电感系数 AL值		
				外径 mm	内径 mm	高度 mm	0[A] μH	额定值* μH	额定磁动势 [AT]
LNC181210G (C181210G)	G3	0.264	4.71	20.2	8.8	11.8	0.122	0.116	150
LNC191305G (C191305G)	G4	0.132	5.03	22.0	10.0	8.0	0.050	0.045	200
LNC221310G (C221310G)	G6	0.396	5.50	24.7	10.5	12.0	0.164	0.147	190
LNC251510G (C251510G)	G7	0.440	6.28	28.3	12.7	12.3	0.133	0.120	300
LNC251515G (C251515G)	G8	0.660	6.28	28.3	12.7	17.5	0.185	0.170	330
LNC322010G (C322010G)	G9	0.528	8.17	35.2	17.5	12.3	0.137	0.125	330
LNC372310G (C372310G)	G0	0.616	9.42	40.5	19.5	13.0	0.154	0.140	350
LNC372315G (C372315G)	GJ	0.924	9.42	40.5	19.5	18.0	0.210	0.190	400
LNC462715G (C462715G)	GQ	1.254	11.5	49.4	22.7	18.0	0.235	0.207	450
LNC462725G (C462725G)	GK	2.090	11.5	49.4	22.7	28.0	0.360	0.320	550

*10[kHz]、± 25%

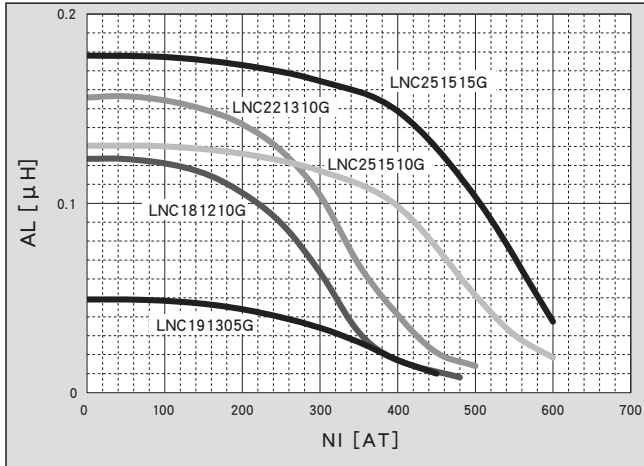
◆铁损耗的磁通量密度依赖性

- CM扼流



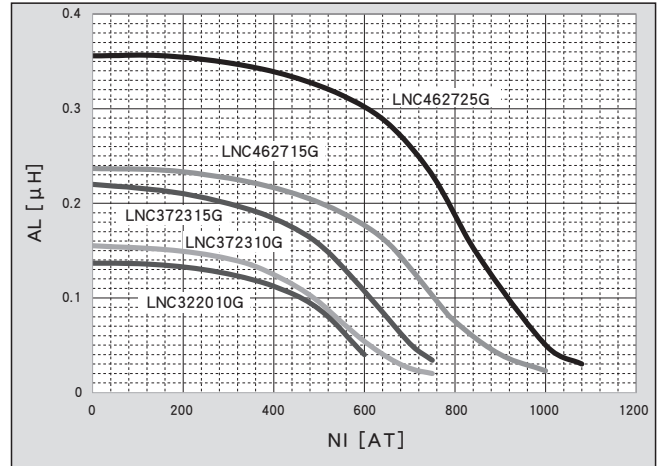
◆电感系数的叠加特性 (1)

●频率: 10 [kHz]

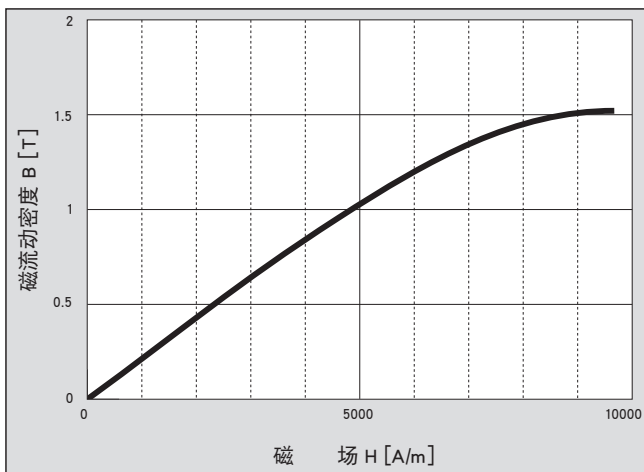


◆电感系数的叠加特性 (2)

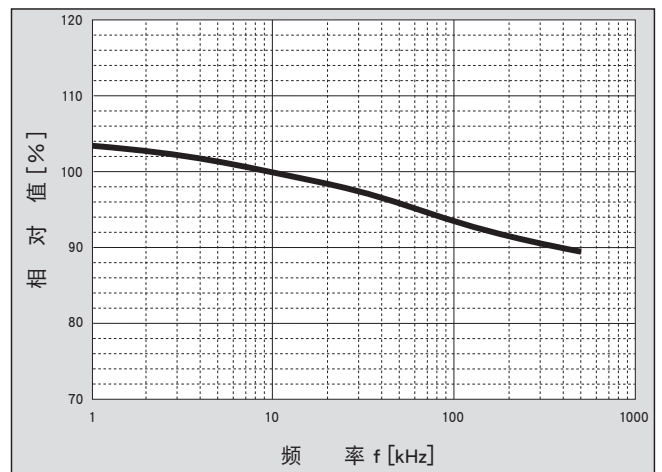
●频率: 10 [kHz]



◆CM磁芯的直流磁化特性

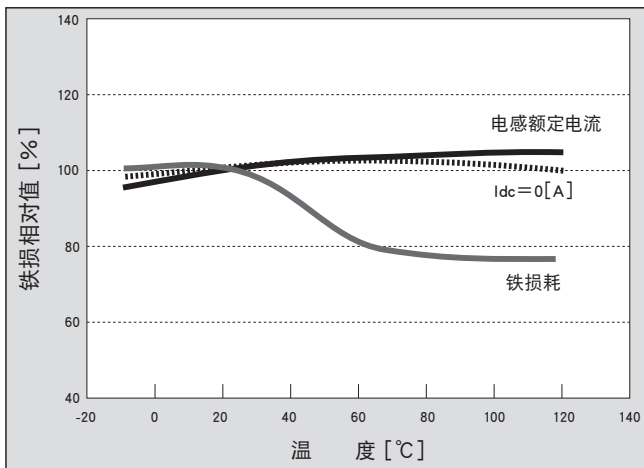


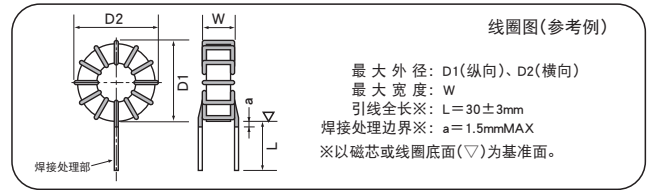
◆电感的频率特性



◆电感、铁损耗的温度依赖性

●频率: 100 [kHz]





◆线圈一般规格

线圈型号 (原产品名称:参考)	额定电流 A	电感*1 (10kHz)		最大直流阻抗 mΩ	卷线规格 φ×根数	外形尺寸		
		0[A] μH	额定值 μH			D1 mm	D2 mm	W mm
● LACM002601G3-V0E (CM02601G3PBF)	2	645	600	190	0.6×1P	23.5	24.0	16.0
● LACM003401G3-V0E (CM03401G3PBF)	3	420	400	92	0.8×1P	24.5	25.0	17.5
● LACM004201G3-V0E (CM04201G3PBF)	4	209	200	51	0.9×1P	24.5	25.0	16.5
● LACM006101G3-V0E (CM06101G3PBF)	6	110	100	24	0.8×2P	24.5	25.0	17.5
● LACM008700G3-V0E (CM08700G3PBF)	8	85	70	17	0.9×2P	25.0	25.5	19.0
● LACM002401G4-V0E (CM02401G4PBF)	2	425	400	190	0.6×1P	24.5	25.0	12.5
● LACM003251G4-V0E (CM03251G4PBF)	3	265	250	87	0.8×1P	25.5	26.0	13.5
● LACM004101G4-V0E (CM04101G4PBF)	4	110	100	43	0.9×1P	25.5	26.0	13.0
● LACM006500G4-V0E (CM06500G4PBF)	6	55	50	20	0.8×2P	25.5	26.0	14.0
● LACM008300G4-V0E (CM08300G4PBF)	8	33	30	13	0.9×2P	26.0	26.5	14.0
● LACM010150G4-V0E (CM10150G4PBF)	10	18	15	8	1.0×2P	26.5	27.0	13.5
◎ LACM001152G6-V0E (CM01152G6PBF)	1	1530	1500	390	0.5×1P	27.0	27.5	15.5
◎ LACM002102G6-V0E (CM02102G6PBF)	2	1050	1000	230	0.6×1P	27.5	28.0	16.0
◎ LACM003601G6-V0E (CM03601G6PBF)	3	690	600	110	0.8×1P	28.0	28.5	18.0
◎ LACM004301G6-V0E (CM04301G6PBF)	4	339	300	59	0.9×1P	28.5	29.0	17.0
◎ LACM005151G6-V0E (CM05151G6PBF)	5	165	150	34	1.0×1P	28.5	29.0	17.5
◎ LACM006151G6-V0E (CM06151G6PBF)	6	171	150	27	0.8×2P	28.0	28.5	17.5
◎ LACM010500G6-V0E (CM10500G6PBF)	10	60	50	11	1.0×2P	28.5	29.0	18.0
◎ LACM010700G6-V0E (CM10700G6PBF)	10	85	70	13	1.0×2P	29.5	30.0	18.5
◎ LACM015150G6-V0E (CM15150G6PBF)	15	17	15	5	1.0×3P	28.5	29.0	17.5
◎ LACM020150G6-V0E (CM20150G6PBF)	20	17	15	4	1.0×4P	29.0	29.5	18.5

*1 0[A]时的电感为参考值。并且,额定电感的容许差为±25%。

上表的所有品种都拥有横置型。产品名称后3位中的“V”变为“H”即可。

上表的●品种拥有纵置带底座型。产品名称后3位中的“V”变为“D”即可。

此外,◎品种拥有纵置带底座型和横置带底座型。

横置带底座型是产品名称后3位中的“V”变为“B”即可。

…底座需要辅助端子时,请另行指定。

◆线圈一般规格

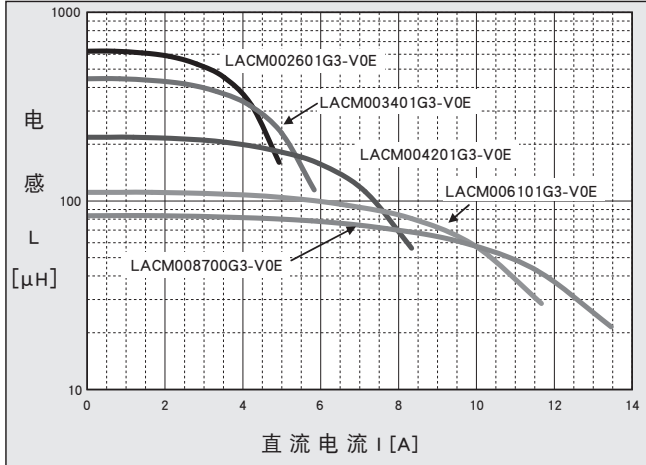
线圈型号 (原产品名称: 参考)	额定电流 A	电感 ^{※1} (10kHz)		最大直流阻抗 mΩ	卷线规格 φ×根数	外形尺寸		
		0[A] μH	额定值 μH			D1 mm	D2 mm	W mm
◎ LACM004401G7-V0E (CM04401G7PBF)	4	420	400	77	0.9×1P	32.0	32.5	18.0
◎ LACM006201G7-V0E (CM06201G7PBF)	6	207	200	35	0.8×2P	32.0	32.5	18.0
◎ LACM006261G7-V0E (CM06261G7PBF)	6	270	260	41	0.8×2P	32.0	32.5	18.5
◎ LACM008151G7-V0E (CM08151G7PBF)	8	160	150	24	0.9×2P	32.5	33.0	18.5
◎ LACM008191G7-V0E (CM08191G7PBF)	8	215	190	33	0.9×2P	32.5	33.0	19.5
◎ LACM010101G7-V0E (CM10101G7PBF)	10	110	100	16	1.0×2P	32.5	33.0	18.5
◎ LACM010121G7-V0E (CM10121G7PBF)	10	140	120	19	1.0×2P	33.0	33.5	19.5
◎ LACM015300G7-V0E (CM15300G7PBF)	15	35	30	7	1.0×3P	32.5	33.0	19.0
◎ LACM015500G7-V0E (CM15500G7PBF)	15	55	50	9	1.0×3P	33.0	33.5	19.5
◎ LACM020300G7-V0E (CM20300G7PBF)	20	35	30	6	1.0×4P	33.0	33.5	20.0
● LACM025200G7-V0E (CM25200G7PBF)	25	26	20	4	1.0×5P	33.5	34.0	20.0
◎ LACM030130G7-V0E (CM30130G7PBF)	30	16	13	3	1.0×6P	34.0	34.5	20.0
◎ LACM002192G8-V0E (CM02192G8PBF)	2	1940	1900	390	0.6×1P	31.0	31.5	22.5
◎ LACM005301G8-V0E (CM05301G8PBF)	5	306	300	58	1.0×1P	33.0	33.5	24.5
◎ LACM010151G8-V0E (CM10151G8PBF)	10	170	150	22	1.0×2P	33.0	33.5	25.5
◎ LACM015700G8-V0E (CM15700G8PBF)	15	75	70	11	1.0×3P	33.5	34.0	26.0
◎ LACM020400G8-V0E (CM20400G8PBF)	20	45	40	7	1.0×4P	33.5	34.0	26.0
● LACM025250G8-V0E (CM25250G8PBF)	25	27	25	5	1.0×5P	33.5	34.0	26.5
◎ LACM003102G9-V0E (CM03102G9PBF)	3	1070	1000	170	0.8×1P	39.0	39.5	19.0
◎ LACM006301G9-V0E (CM06301G9PBF)	6	335	300	48	0.8×2P	39.5	40.0	19.0
◎ LACM008251G9-V0E (CM08251G9PBF)	8	289	250	37	0.9×2P	39.5	40.0	19.0
◎ LACM010191G9-V0E (CM10191G9PBF)	10	220	190	21	1.1×2P	41.0	41.5	21.0
◎ LACM015850G9-V0E (CM15850G9PBF)	15	100	85	10	1.3×2P	41.0	41.5	21.5
◎ LACM020450G9-V0E (CM20450G9PBF)	20	55	45	7	1.2×3P	41.0	41.5	21.5
● LACM030200G9-V0E (CM30200G9PBF)	30	23	20	3	1.3×4P	42.0	42.5	22.0

◆线圈一般规格

线圈型号 (原产品名称: 参考)	额定电流 A	电感 ^{※1} (10kHz)		最大直流阻抗 mΩ	卷线规格 φ×根数	外形尺寸		
		0[A] μH	额定值 μH			D1 mm	D2 mm	W mm
◎ LACM006501G0-V0E (CM06501G0PBF)	6	569	500	61	0.8×2P	44.0	44.5	19.5
◎ LACM010201G0-V0E (CM10201G0PBF)	10	255	200	27	1.0×2P	45.0	45.5	20.0
◎ LACM015900G0-V0E (CM15900G0PBF)	15	135	90	13	1.0×3P	45.0	45.5	20.0
◎ LACM020500G0-V0E (CM20500G0PBF)	20	70	50	8	1.0×4P	45.0	45.5	20.5
◎ LACM025300G0-V0E (CM25300G0PBF)	25	38	30	6	1.0×5P	45.0	45.5	20.0
◎ LACM030250G0-V0E (CM30250G0PBF)	30	35	25	5	1.0×6P	45.5	46.0	20.5
◎ LACM035150G0-V0E (CM35150G0PBF)	35	18	15	4	1.0×7P	45.5	46.0	20.5
◎ LACM004102GJ-V0E (CM04102GJPBF)	4	1080	1000	140	0.9×1P	44.0	44.5	23.0
◎ LACM010301GJ-V0E (CM10301GJPBF)	10	380	300	31	1.0×2P	45.0	45.5	25.0
◎ LACM015121GJ-V0E (CM15121GJPBF)	15	137	120	14	1.0×3P	45.5	46.0	25.5
◎ LACM020700GJ-V0E (CM20700GJPBF)	20	83	70	12	1.0×4P	45.5	46.0	25.5
◎ LACM025500GJ-V0E (CM25500GJPBF)	25	60	50	7	1.0×5P	46.0	46.5	26.0
◎ LACM030300GJ-V0E (CM30300GJPBF)	30	38	30	4	1.0×6P	45.5	46.0	26.0
◎ LACM040150GJ-V0E (CM40150GJPBF)	40	18	15	3	1.3×5P	46.0	46.5	26.5
◎ LACM015201GQ-V0E (CM15201GQPBF)	15	255	200	20	1.0×3P	54.0	54.5	26.0
◎ LACM020101GQ-V0E (CM20101GQPBF)	20	125	100	12	1.0×4P	54.5	55.0	25.5
◎ LACM035300GQ-V0E (CM35300GQPBF)	35	35	30	5	1.0×7P	55.0	55.5	26.0
◎ LACM040200GQ-V0E (CM40200GQPBF)	40	24	20	3	1.3×5P	55.5	56.0	26.0
◎ LACM010501GK-V0E (CM10501GKPBF)	10	530	500	44	1.0×2P	54.5	55.0	34.5
◎ LACM015301GK-V0E (CM15301GKPBF)	15	350	300	24	1.0×3P	55.0	55.5	36.0
◎ LACM015451GK-V0E (CM15451GKPBF)	15	516	450	30	1.0×3P	55.5	56.0	36.5
◎ LACM020201GK-V0E (CM20201GKPBF)	20	250	200	15	1.0×4P	55.0	55.5	36.0
◎ LACM025101GK-V0E (CM25101GKPBF)	25	115	100	9	1.0×5P	55.5	56.0	35.5
◎ LACM030101GK-V0E (CM30101GKPBF)	30	115	100	8	1.0×6P	55.5	56.0	36.5
◎ LACM035500GK-V0E (CM35500GKPBF)	35	60	50	6	1.0×7P	56.0	56.5	36.5

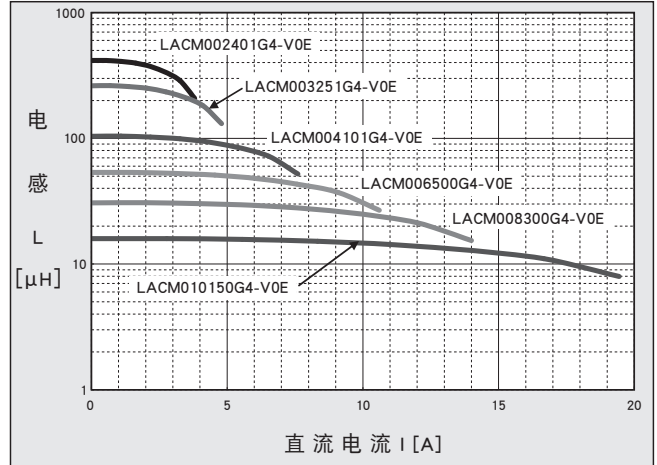
◆电感的电流叠加特性 (1)

●磁芯: LNC181210G、频率: 10 [kHz]



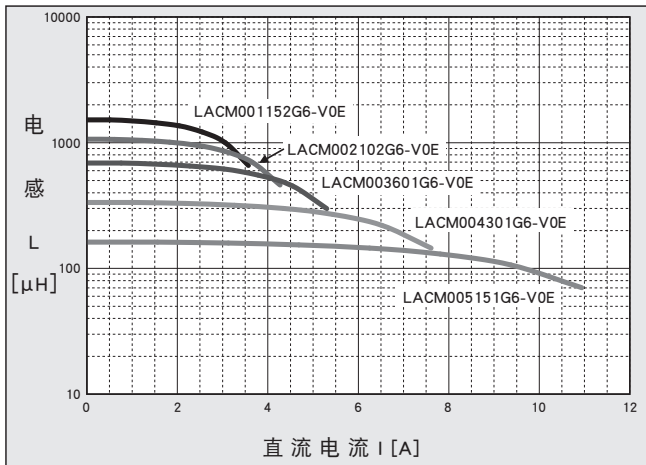
◆电感的电流叠加特性 (2)

●磁芯: LNC191305G、频率: 10 [kHz]



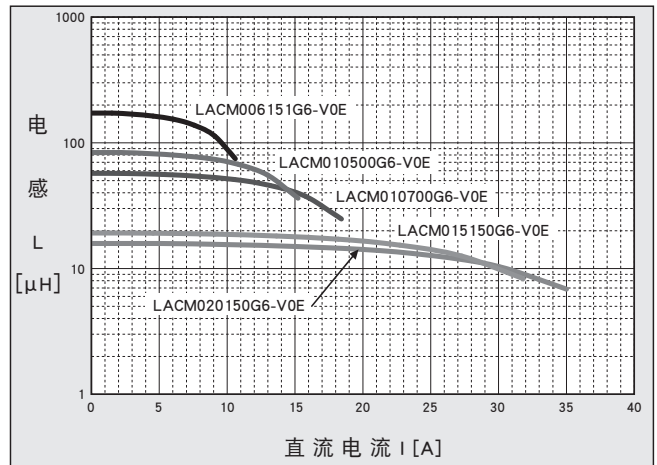
◆电感的电流叠加特性 (3)

●磁芯: LNC221310G、频率: 10 [kHz]



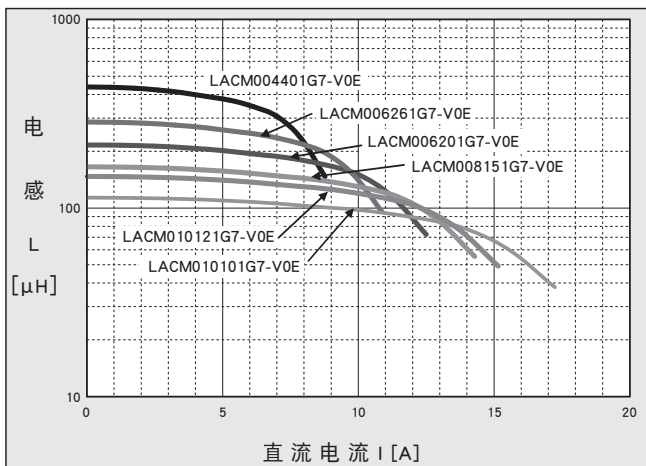
◆电感的电流叠加特性 (4)

●磁芯: LNC221310G、频率: 10 [kHz]



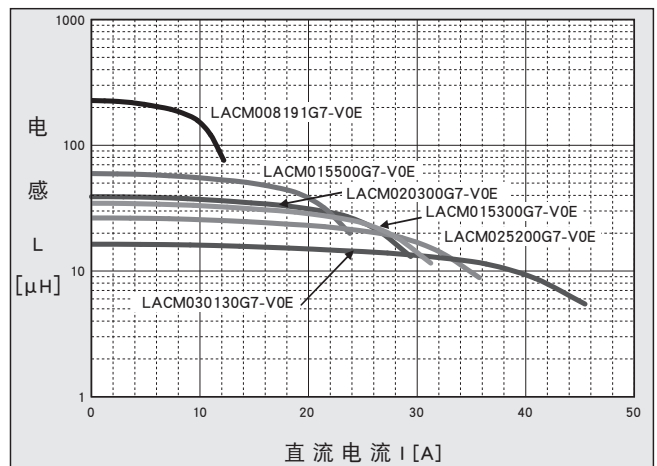
◆电感的电流叠加特性 (5)

●磁芯: LNC251510G、频率: 10 [kHz]



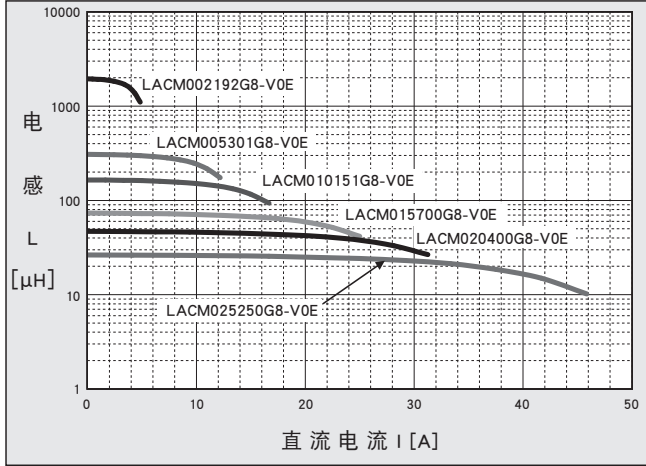
◆电感的电流叠加特性 (6)

●磁芯: LNC251510G、频率: 10 [kHz]



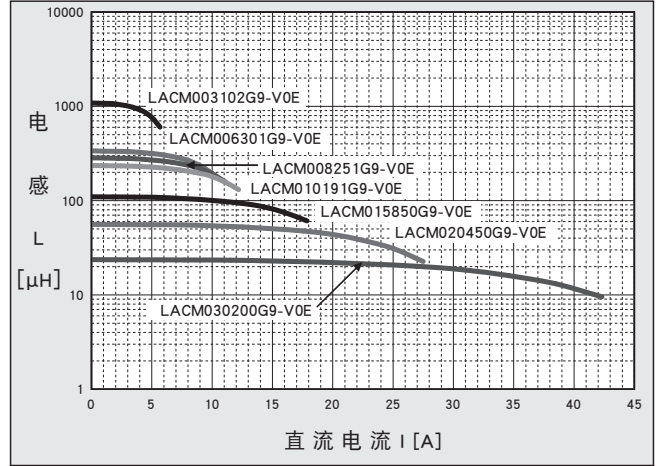
◆电感的电流叠加特性 (7)

●磁芯: LNC251515G、频率: 10 [kHz]



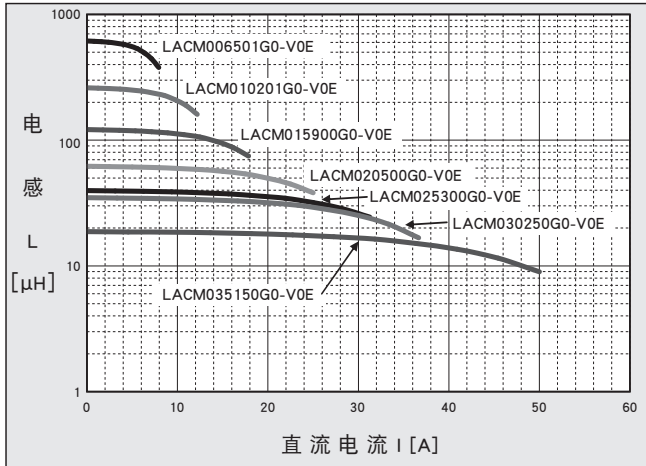
◆电感的电流叠加特性 (8)

●磁芯: LNC322010G、频率: 10 [kHz]



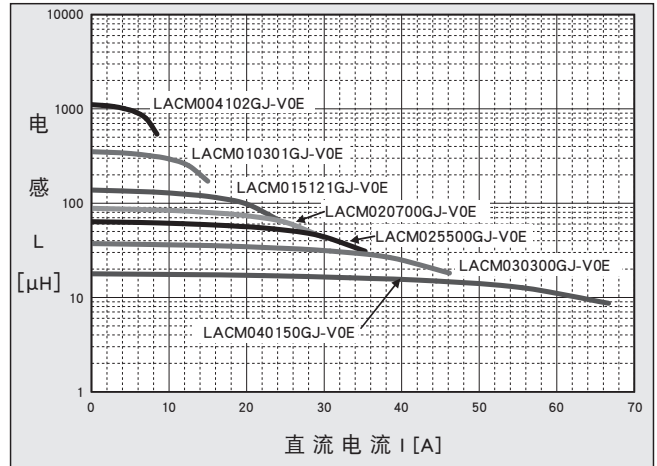
◆电感的电流叠加特性 (9)

●磁芯: LNC372310G、频率: 10 [kHz]



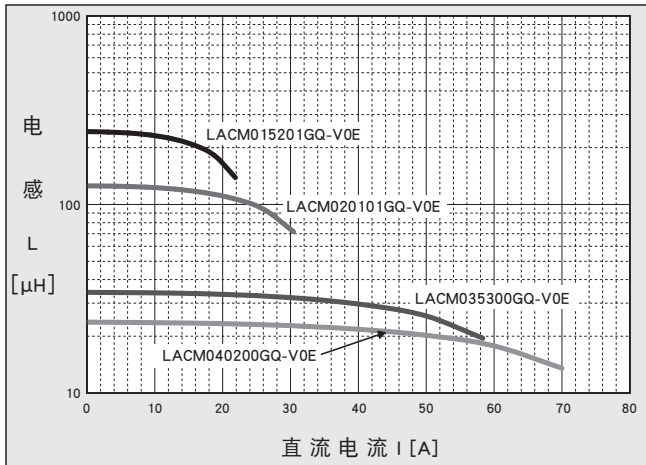
◆电感的电流叠加特性 (10)

●磁芯: LNC372315G、频率: 10 [kHz]



◆电感的电流叠加特性 (11)

●磁芯: LNC462715G、频率: 10 [kHz]



◆电感的电流叠加特性 (12)

●磁芯: LNC462725G、频率: 10 [kHz]

