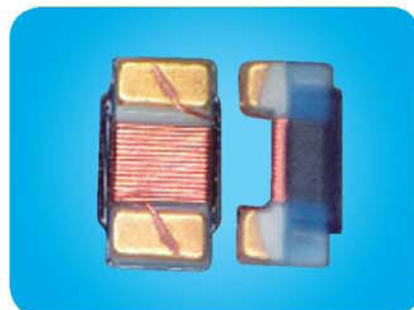


LGC2B型射频绕线片式电感器

★ 特征与用途

FEATURES AND APPLICATIONS

- 高Q值、高自谐频率
- 体积小、重量轻，适合高密度表面贴装
- 应用于滤波、扼流、阻抗匹配、谐振等电路
- 符合GJB 1864A-2011、CASTPS08/083A-2016



★ 产品型号

PRODUCT IDENTIFICATION

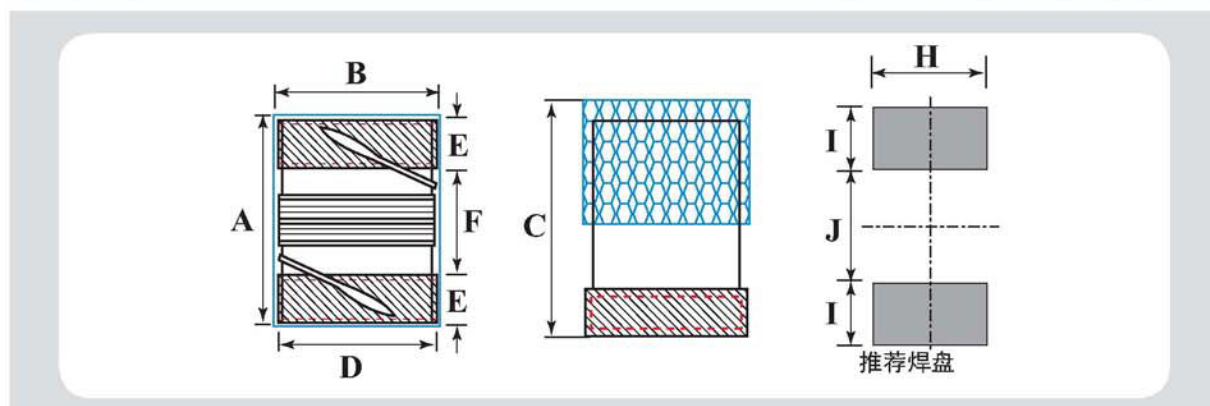
LGC 2B 2520 (M) - 10N A

① — ② — ③ — ④ — ⑤ — ⑥

- ① 固定片式电感器
- ② 性能类别代号：耐湿、最高工作温度125℃
- ③ 外形尺寸：长×宽
- ④ 封装方式：仅1608/2012/2520系列型号含M，其余系列缺省
- ⑤ 电感量：4N7表示4.7nH；47N表示47nH；R22表示220nH；1R2表示1200nH
- ⑥ 焊盘材料结构：A 镍镀金

★ 外观尺寸

SHAPE AND DIMENSIONS



单位：mm

产品型号	A(Max)	B(Max)	C(Max)	D	E	F	H	I	J	Weight (Max)
LGC2B1608M	1.80	1.24	1.24	0.76	0.33	0.86	1.02	0.64	0.64	10mg
LGC2B2012M	2.29	1.73	1.55	1.27	0.5	1.03	1.78	1.02	0.76	25mg
LGC2B2520M	2.92	2.79	2.29	2.0	0.5	1.43	2.54	1.02	1.27	50mg
LGC2B3216	3.56	2.16	1.52	1.6	0.5	2.2	1.93	1.02	1.78	100mg
LGC2B3225	3.65	2.95	2.70	2.10	0.50	2.03	3.02	1.02	1.78	150mg
LGC2B4532	4.95	3.81	3.60	2.90	0.58	3.25	3.05	1.14	3.00	180mg

注：未注明尺寸偏差为±0.05mm

★ 规格特性

SPECIFICATIONS

● LGC2B1608M TYPE

型号	电感量		电感量 偏差 (%)	品质因素		直流 电阻 Max (Ω)	自谐 频率 Min (MHz)	额定 电流 Max (mA)
	测试频率 (MHz)	标准值 (nH)		测试频率 (MHz)	标准值 Min			
LGC2B1608M-1N8A	250	1.8	±20	250	10	0.13	6000	700
LGC2B1608M-3N0A	250	3.0	±20	250	20	0.08	6000	600
LGC2B1608M-3N3A	250	3.3	±20	250	35	0.045	6000	700
LGC2B1608M-3N6A	250	3.6	±20	250	20	0.063	5900	700
LGC2B1608M-3N9A	250	3.9	±20	250	22	0.08	6000	700
LGC2B1608M-4N3A	250	4.3	±20	250	22	0.10	5900	700
LGC2B1608M-4N7A	250	4.7	±20	250	20	0.116	5800	700
LGC2B1608M-5N1A	250	5.1	±20	250	20	0.14	5700	700
LGC2B1608M-5N6A	250	5.6	±20	250	25	0.10	6000	700
LGC2B1608M-6N0A	250	6.0	±20	250	25	0.13	6000	700
LGC2B1608M-6N2A	250	6.2	±20	250	25	0.11	5500	700
LGC2B1608M-6N8A	250	6.8	±20	250	27	0.11	5800	700
LGC2B1608M-7N5A	250	7.5	±20	250	30	0.12	4800	600
LGC2B1608M-8N2A	250	8.2	±20	250	30	0.12	5000	700
LGC2B1608M-10NA	250	10	±10	250	31	0.13	4800	700
LGC2B1608M-12NA	250	12	±10	250	35	0.13	4000	700
LGC2B1608M-15NA	250	15	±10	250	35	0.17	4000	700
LGC2B1608M-18NA	250	18	±10	250	35	0.17	3100	700
LGC2B1608M-22NA	250	22	±10	250	38	0.19	3000	600
LGC2B1608M-24NA	250	24	±10	250	30	0.22	1800	600
LGC2B1608M-27NA	250	27	±10	250	40	0.22	2800	600
LGC2B1608M-33NA	250	33	±10	250	40	0.22	2300	600
LGC2B1608M-39NA	250	39	±10	250	40	0.25	2200	600
LGC2B1608M-47NA	200	47	±10	250	30	0.28	2000	600
LGC2B1608M-51NA	200	51	±10	250	38	0.28	1800	700
LGC2B1608M-56NA	200	56	±10	250	38	0.31	1900	600
LGC2B1608M-68NA	200	68	±10	250	37	0.34	1700	600
LGC2B1608M-72NA	150	72	±10	250	34	0.65	1700	400
LGC2B1608M-78NA	150	78	±10	250	35	0.54	1700	400
LGC2B1608M-82NA	150	82	±10	250	34	0.54	1700	400
LGC2B1608M-R10A	150	100	±10	250	34	0.58	1400	400
LGC2B1608M-R11A	150	110	±10	250	32	0.70	1350	300
LGC2B1608M-R12A	150	120	±10	250	32	0.70	1300	300
LGC2B1608M-R15A	150	150	±10	150	28	0.92	1200	280
LGC2B1608M-R18A	100	180	±10	100	25	1.25	990	240
LGC2B1608M-R22A	100	220	±10	100	25	1.50	850	200
LGC2B1608M-R27A	100	270	±10	100	25	1.80	650	170
LGC2B1608M-R33A	100	330	±10	100	24	2.00	500	150
LGC2B1608M-R39A	100	390	±10	100	15	2.90	350	120

● LGC2B2012M TYPE

型号	电感量		电感量 偏差 (%)	品质因素		直流 电阻 Max (Ω)	自谐 频率 Min (MHz)	额定 电流 Max (mA)
	测试频率 (MHz)	标准值 (nH)		测试频率 (MHz)	标准值 Min			
LGC2B2012M-2N2A	250	2.2	±20	1500	25	0.10	6000	500
LGC2B2012M-3N3A	250	3.3	±20	1500	25	0.20	6000	500
LGC2B2012M-6N8A	250	6.8	±20	1000	50	0.11	5000	500
LGC2B2012M-8N2A	250	8.2	±20	1000	50	0.19	4400	500
LGC2B2012M-10NA	250	10	±20	500	50	0.14	4300	500
LGC2B2012M-12NA	250	12	±20	500	50	0.15	4000	500
LGC2B2012M-15NA	250	15	±20	500	50	0.17	2900	500
LGC2B2012M-18NA	250	18	±20	500	50	0.20	3100	500
LGC2B2012M-22NA	250	22	±20	500	55	0.22	2600	400
LGC2B2012M-27NA	250	27	±20	500	55	0.25	2500	400
LGC2B2012M-33NA	250	33	±20	500	60	0.27	2050	400
LGC2B2012M-39NA	250	39	±20	500	60	0.29	2000	400
LGC2B2012M-47NA	200	47	±20	500	60	0.31	1650	400
LGC2B2012M-56NA	200	56	±20	500	60	0.34	1550	400
LGC2B2012M-68NA	200	68	±20	500	60	0.38	1450	400
LGC2B2012M-82NA	150	82	±20	500	60	0.42	1300	300
LGC2B2012M-R10A	150	100	±10	500	60	0.46	1200	300
LGC2B2012M-R12A	150	120	±10	250	50	0.51	1100	300
LGC2B2012M-R15A	100	150	±10	250	50	0.56	920	300
LGC2B2012M-R18A	100	180	±10	250	50	0.64	870	300
LGC2B2012M-R22A	100	220	±10	250	45	1.10	820	300
LGC2B2012M-R27A	100	270	±10	250	48	1.00	650	250
LGC2B2012M-R33A	100	330	±10	250	48	1.40	650	210
LGC2B2012M-R39A	100	390	±10	250	48	1.50	560	190
LGC2B2012M-R47A	50	470	±10	100	33	1.76	375	150
LGC2B2012M-R56A	25	560	±10	50	23	1.90	330	130
LGC2B2012M-R68A	25	680	±10	50	23	2.20	270	90
LGC2B2012M-R82A	25	820	±10	50	23	2.35	250	80
LGC2B2012M-R91A	25	910	±10	50	22	2.40	230	60
LGC2B2012M-1R0A	25	1000	±10	50	20	2.50	200	50
LGC2B2012M-1R2A	25	1200	±10	50	18	3.50	150	50
LGC2B2012M-1R5A	25	1500	±10	50	15	2.90	130	50
LGC2B2012M-1R8A	7.9	1800	±10	25	15	3.50	110	50
LGC2B2012M-2R2A	7.9	2200	±10	25	16	4.60	70	40
LGC2B2012M-2R7A	7.9	2700	±10	7.9	15	5.00	70	40
LGC2B2012M-3R3A	7.9	3300	±10	7.9	10	6.50	60	40

★ 规格特性

SPECIFICATIONS

● LGC2B2520M TYPE

型号	电感量		电感量 偏差 (%)	品质因素		直流 电阻 Max (Ω)	自谐 频率 Min (MHz)	额定 电流 Max (mA)
	测试频率 (MHz)	标准值 (nH)		测试频率 (MHz)	标准值 Min			
LGC2B2520M-4N7A	50	4.7	±20	1500	50	0.11	6000	900
LGC2B2520M-5N6A	50	5.6	±20	1500	40	0.14	6000	600
LGC2B2520M-10NA	50	10	±20	500	50	0.12	4100	900
LGC2B2520M-12NA	50	12	±20	500	50	0.09	3300	900
LGC2B2520M-15NA	50	15	±20	500	50	0.13	2500	900
LGC2B2520M-18NA	50	18	±20	350	50	0.11	2500	900
LGC2B2520M-22NA	50	22	±20	350	55	0.12	2400	900
LGC2B2520M-27NA	50	27	±20	350	55	0.13	1600	900
LGC2B2520M-33NA	50	33	±20	350	60	0.14	1600	900
LGC2B2520M-39NA	50	39	±20	350	60	0.15	1500	900
LGC2B2520M-47NA	50	47	±20	350	65	0.16	1500	900
LGC2B2520M-56NA	50	56	±20	350	65	0.18	1300	900
LGC2B2520M-68NA	50	68	±20	350	65	0.21	1050	900
LGC2B2520M-82NA	50	82	±20	350	60	0.22	950	900
LGC2B2520M-R10A	25	100	±10	350	60	0.56	1000	550
LGC2B2520M-R12A	25	120	±10	350	60	0.63	950	500
LGC2B2520M-R15A	25	150	±10	100	50	0.62	850	480
LGC2B2520M-R18A	25	180	±10	100	50	0.70	750	450
LGC2B2520M-R22A	25	220	±10	100	50	0.80	625	400
LGC2B2520M-R27A	25	270	±10	100	50	0.91	600	400
LGC2B2520M-R33A	25	330	±10	100	50	1.05	500	350
LGC2B2520M-R39A	25	390	±10	100	50	1.12	475	350
LGC2B2520M-R47A	25	470	±10	100	50	1.19	450	320
LGC2B2520M-R56A	25	560	±10	100	45	1.33	415	300
LGC2B2520M-R62A	25	620	±10	100	45	1.40	375	300
LGC2B2520M-R68A	25	680	±10	100	45	1.47	375	280
LGC2B2520M-R75A	25	750	±10	100	45	1.54	360	260
LGC2B2520M-R82A	25	820	±10	100	45	1.61	325	260
LGC2B2520M-R91A	25	910	±10	50	35	1.68	320	260
LGC2B2520M-1R0A	25	1000	±10	50	35	1.8	260	250
LGC2B2520M-1R2A	7.9	1200	±10	50	35	2.0	250	210
LGC2B2520M-1R5A	7.9	1500	±10	50	28	2.3	200	210
LGC2B2520M-1R8A	7.9	1800	±10	50	28	2.6	160	200
LGC2B2520M-2R2A	7.9	2200	±10	50	28	2.8	160	190
LGC2B2520M-2R7A	7.9	2700	±10	25	22	3.2	100	190
LGC2B2520M-3R3A	7.9	3300	±10	25	22	3.4	80	180
LGC2B2520M-3R9A	7.9	3900	±10	25	20	3.6	60	160
LGC2B2520M-4R7A	7.9	4700	±10	25	20	4.0	60	160
LGC2B2520M-5R6A	7.9	5600	±10	25	20	5.7	60	140
LGC2B2520M-6R8A	7.9	6800	±10	25	20	7.7	50	120
LGC2B2520M-8R2A	7.9	8200	±10	25	20	10.7	50	100

● LGC2B3216 TYPE

型号	电感量		电感量 偏差 (%)	品质因素		直流 电阻 Max (Ω)	自谐 频率 Min (MHz)	额定 电流 Max (mA)
	测试频率 (MHz)	标准值 (nH)		测试频率 (MHz)	标准值 Min			
LGC2B3216-3N3A	100	3.3	±20	300	20	0.07	6200	800
LGC2B3216-6N8A	100	6.8	±10	300	30	0.07	5500	800
LGC2B3216-10NA	100	10	±10	300	40	0.09	4000	800
LGC2B3216-12NA	100	12	±10	300	40	0.09	3200	800
LGC2B3216-15NA	100	15	±10	300	40	0.12	3200	800
LGC2B3216-18NA	100	18	±10	300	45	0.12	2800	800
LGC2B3216-22NA	100	22	±10	300	50	0.12	2200	800
LGC2B3216-27NA	100	27	±10	300	50	0.12	1800	800
LGC2B3216-33NA	100	33	±10	300	50	0.12	1800	800
LGC2B3216-39NA	100	39	±10	300	50	0.12	1800	800
LGC2B3216-47NA	100	47	±10	300	50	0.13	1500	800
LGC2B3216-56NA	100	56	±10	300	55	0.14	1450	800
LGC2B3216-68NA	100	68	±10	300	55	0.26	1200	700
LGC2B3216-82NA	100	82	±10	300	55	0.21	1200	700
LGC2B3216-R10A	100	100	±10	300	55	0.30	1100	700
LGC2B3216-R12A	100	120	±10	300	60	0.30	1100	700
LGC2B3216-R15A	100	150	±10	300	55	0.31	950	650
LGC2B3216-R18A	50	180	±10	300	60	0.43	900	600
LGC2B3216-R22A	50	220	±10	300	60	0.56	760	570
LGC2B3216-R27A	50	270	±10	300	50	0.56	730	450
LGC2B3216-R33A	50	330	±10	150	45	0.70	650	420
LGC2B3216-R39A	50	390	±10	150	45	0.80	600	390
LGC2B3216-R47A	50	470	±10	150	45	1.30	550	350
LGC2B3216-R56A	35	560	±10	150	45	1.34	470	320
LGC2B3216-R68A	35	680	±10	150	45	1.58	450	270
LGC2B3216-R82A	35	820	±10	150	40	1.82	420	250
LGC2B3216-1R0A	35	1000	±10	150	40	2.80	400	200
LGC2B3216-1R2A	35	1200	±10	150	40	3.20	380	150

★ 规格特性

SPECIFICATIONS

● LGC2B3225 TYPE

型号	电感量		电感量 偏差 (%)	品质因素		直流 电阻 Max (Ω)	自谐 频率 Min (MHz)	额定 电流 Max (mA)
	测试频率 (MHz)	标准值 (nH)		测试频率 (MHz)	标准值 Min			
LGC2B3225-3N9A	100	3.9	± 20	300	30	0.05	6000	900
LGC2B3225-4N7A	100	4.7	± 20	300	30	0.065	5800	900
LGC2B3225-8N2A	100	8.2	± 20	300	30	0.07	5500	900
LGC2B3225-10NA	100	10	± 20	300	40	0.08	4000	900
LGC2B3225-12NA	100	12	± 20	300	40	0.08	3200	900
LGC2B3225-15NA	100	15	± 20	300	40	0.10	3200	900
LGC2B3225-18NA	100	18	± 20	300	50	0.10	2800	900
LGC2B3225-22NA	100	22	± 20	300	50	0.10	2200	900
LGC2B3225-27NA	100	27	± 20	300	50	0.11	1800	900
LGC2B3225-33NA	100	33	± 20	300	55	0.11	1800	900
LGC2B3225-39NA	100	39	± 20	300	55	0.12	1500	900
LGC2B3225-43NA	100	43	± 10	300	55	0.12	1500	900
LGC2B3225-47NA	100	47	± 10	300	55	0.13	1500	900
LGC2B3225-56NA	100	56	± 10	300	55	0.14	1450	900
LGC2B3225-68NA	100	68	± 10	300	55	0.15	1200	850
LGC2B3225-82NA	100	82	± 10	300	55	0.20	1000	750
LGC2B3225-R10A	100	100	± 10	300	55	0.20	900	700
LGC2B3225-R12A	100	120	± 10	300	60	0.25	800	650
LGC2B3225-R15A	100	150	± 10	300	60	0.25	700	600
LGC2B3225-R18A	50	180	± 10	300	60	0.30	650	550
LGC2B3225-R22A	50	220	± 10	300	60	0.40	650	500
LGC2B3225-R27A	50	270	± 10	300	40	0.40	580	500
LGC2B3225-R33A	50	330	± 10	150	45	0.58	580	450
LGC2B3225-R39A	50	390	± 10	150	45	0.58	510	450
LGC2B3225-R47A	50	470	± 10	150	45	0.80	480	380
LGC2B3225-R56A	35	560	± 10	150	45	1.10	420	320
LGC2B3225-R68A	35	680	± 10	150	45	1.20	400	300
LGC2B3225-R82A	35	820	± 10	150	45	1.82	370	250
LGC2B3225-1R0A	35	1000	± 10	150	45	1.85	340	250
LGC2B3225-1R2A	35	1200	± 10	150	35	1.87	220	250
LGC2B3225-1R5A	7.9	1500	± 10	50	20	1.95	160	230
LGC2B3225-1R8A	7.9	1800	± 10	50	30	2.25	160	220
LGC2B3225-2R2A	7.9	2200	± 10	50	25	2.41	130	200
LGC2B3225-2R7A	7.9	2700	± 10	25	25	2.85	110	190
LGC2B3225-3R0A	7.9	3000	± 10	25	20	3.12	110	180
LGC2B3225-3R3A	7.9	3300	± 10	25	20	3.40	100	170
LGC2B3225-3R9A	7.9	3900	± 10	25	20	3.60	60	170
LGC2B3225-4R7A	7.9	4700	± 10	25	20	4.00	60	160
LGC2B3225-5R6A	7.9	5600	± 10	25	15	5.00	50	150
LGC2B3225-6R8A	7.9	6800	± 10	7.9	15	8.00	40	120
LGC2B3225-8R6A	7.9	8600	± 10	7.9	15	9.00	40	100

★ 规格特性

SPECIFICATIONS

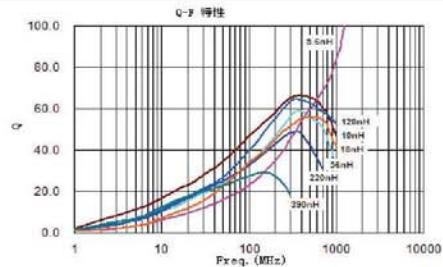
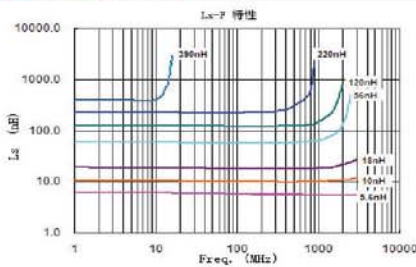
● LGC2B4532 TYPE

型号	电感量		电感量 偏差 (%)	品质因素		直流 电阻 Max (Ω)	自谐 频率 Min (MHz)	额定 电流 Max (mA)
	测试频率 (MHz)	标准值 (μH)		测试频率 (MHz)	标准值 Min			
LGC2B4532-1R0A	7.9	1.0	±10	50	60	1.2	250	350
LGC2B4532-1R2A	7.9	1.2	±10	50	60	1.2	230	350
LGC2B4532-1R5A	7.9	1.5	±10	50	60	1.6	210	300
LGC2B4532-1R8A	7.9	1.8	±10	50	55	2.0	150	270
LGC2B4532-2R2A	7.9	2.2	±10	50	55	2.2	150	260
LGC2B4532-2R7A	7.9	2.7	±10	50	55	3.2	150	210
LGC2B4532-3R3A	7.9	3.3	±10	50	55	3.8	130	200
LGC2B4532-3R9A	7.9	3.9	±10	50	55	5.0	120	170
LGC2B4532-4R7A	7.9	4.7	±10	50	55	5.4	90	165
LGC2B4532-5R6A	7.9	5.6	±10	50	45	5.7	90	160
LGC2B4532-6R8A	7.9	6.8	±10	50	30	6.6	80	150
LGC2B4532-8R2A	7.9	8.2	±10	50	20	7.0	70	145
LGC2B4532-100A	7.9	10	±10	50	15	7.7	60	135
LGC2B4532-120A	2.5	12	±10	10	30	8.7	50	130
LGC2B4532-150A	2.5	15	±10	10	30	9.6	30	125
LGC2B4532-180A	2.5	18	±10	10	25	10.5	30	115
LGC2B4532-220A	2.5	22	±10	10	25	11.5	20	110
LGC2B4532-270A	2.5	27	±10	10	25	12.5	20	110
LGC2B4532-330A	2.5	33	±10	10	10	13.5	10	100

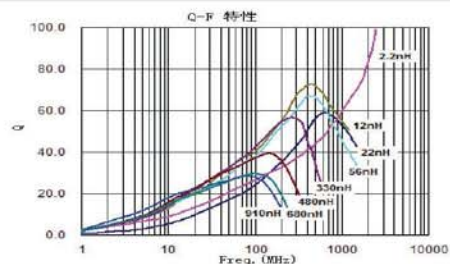
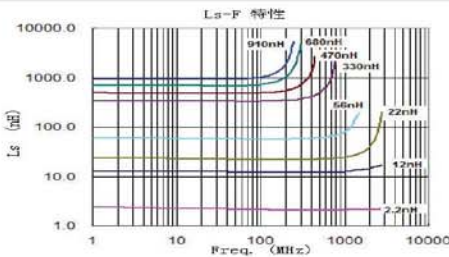
★ 电气特性

TYPICAL ELECTRICAL CHARACTERISTICS

● LGC2B1608M TYPE



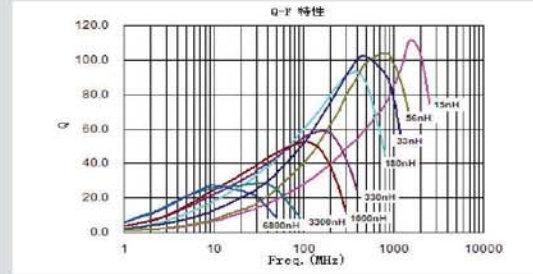
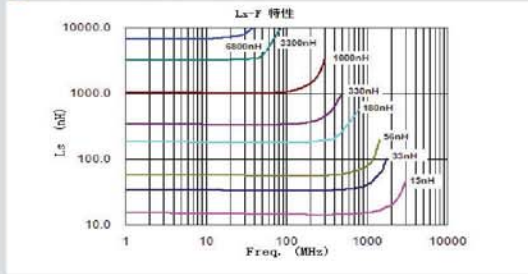
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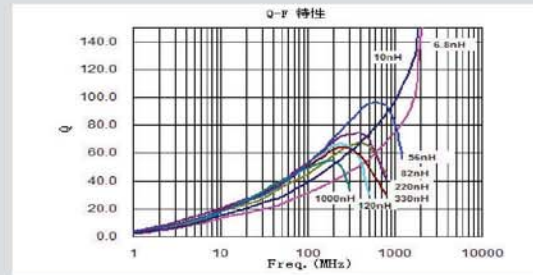
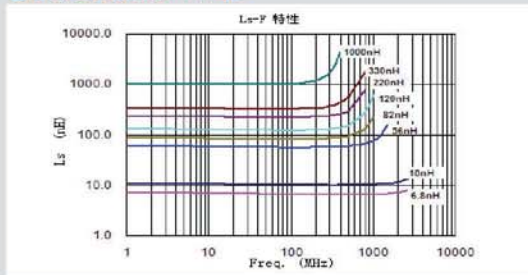
★ 电气特性

TYPICAL ELECTRICAL CHARACTERISTICS

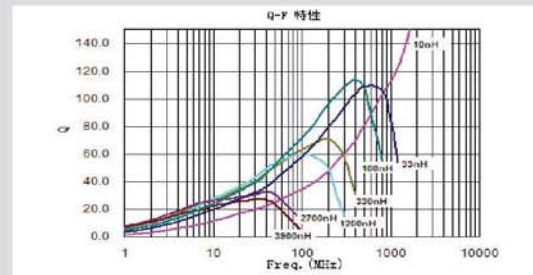
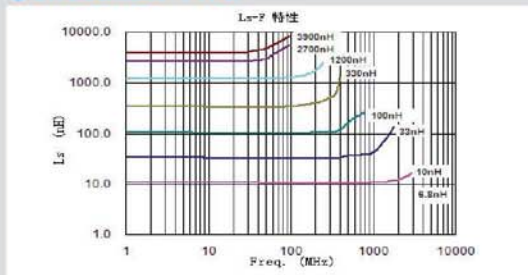
● LGC2B2520M TYPE



● LGC2B3216 TYPE



● LGC2B3225 TYPE



● LGC2B4532 TYPE

