

LGC2ADR型片式功率电感器

★ 特征与用途

FEATURES AND APPLICATIONS

- 低直流电阻、耐大电流
- 体积小、重量轻
- 适用于DC-DC变换器、直流开关电源电路
- 符合GJB 1864A-2011、CASTPS08/084-2014



★ 产品型号

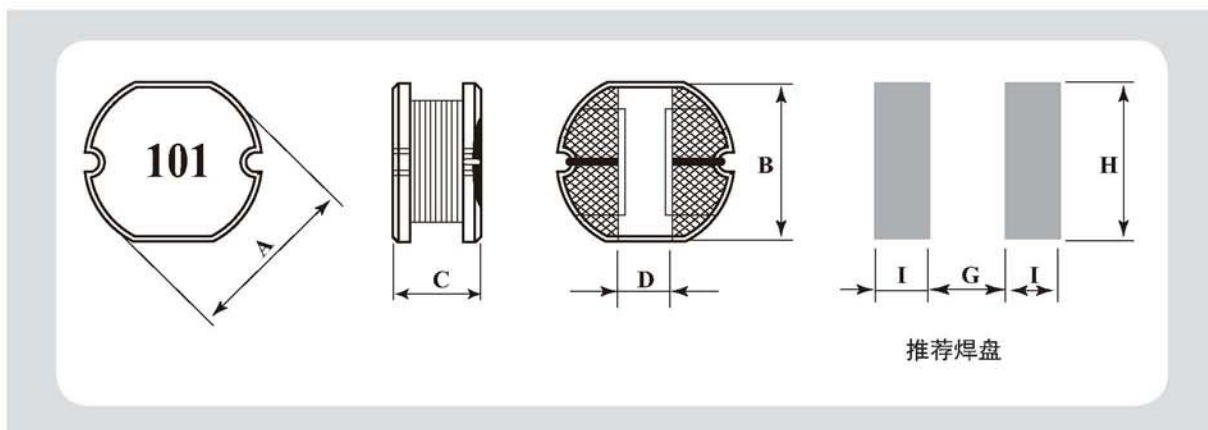
PRODUCT IDENTIFICATION

LGC 2A DR43 - 100 M
① — ② — ③ — ④ — ⑤

- ① 固定片式电感器
- ② 性能类别代号：耐湿、最高工作温度105℃
- ③ 产品结构尺寸：“DR”指该产品外形结构代码，“43”指产品外形尺寸
- ④ 电感量：1R0表示1.0 μH；100表示10 μH；101表示100 μH
- ⑤ 电感量偏差：K表示±10%；M表示±20%

★ 外观尺寸

SHAPE AND DIMENSIONS



单位：mm

型号	产品尺寸						
	ΦA	B	C	D	G(typ.)	l(typ.)	H(typ.)
LGC2ADR43	4.50±0.30	4.00±0.30	3.20±0.30	1.50±0.50	1.5	1.75	4.5
LGC2ADR54	5.80±0.30	5.20±0.30	4.50±0.30	2.00±0.50	1.7	2.15	5.5

★ 规格特性

SPECIFICATIONS

● LGC2ADR43 TYPE

型号	电感量 μH	电感量 偏差 (%)	测试条件	直流电阻 Max (Ω)	额定电流 Max (A)
LGC2ADR43-1R0M	1.0	± 20	7.96MHz/1V	0.03	4.00
LGC2ADR43-1R4M	1.4	± 20	7.96MHz/1V	0.04	3.50
LGC2ADR43-1R8M	1.8	± 20	7.96MHz/1V	0.05	3.00
LGC2ADR43-2R2M	2.2	± 20	7.96MHz/1V	0.06	2.60
LGC2ADR43-2R7M	2.7	± 20	7.96MHz/1V	0.06	2.20
LGC2ADR43-3R3M	3.3	± 20	7.96MHz/1V	0.07	2.00
LGC2ADR43-3R9M	3.9	± 20	7.96MHz/1V	0.07	2.00
LGC2ADR43-4R7M	4.7	± 20	7.96MHz/1V	0.08	1.90
LGC2ADR43-5R6M	5.6	± 20	7.96MHz/1V	0.12	1.80
LGC2ADR43-6R8M	6.8	± 20	7.96MHz/1V	0.14	1.60
LGC2ADR43-8R2M	8.2	± 20	7.96MHz/1V	0.15	1.40
LGC2ADR43-100M	10	± 20	2.52MHz/1V	0.19	1.10
LGC2ADR43-120M	12	± 20	2.52MHz/1V	0.21	1.10
LGC2ADR43-150M	15	± 20	2.52MHz/1V	0.25	1.00
LGC2ADR43-180M	18	± 20	2.52MHz/1V	0.30	1.00
LGC2ADR43-220M	22	± 20	2.52MHz/1V	0.35	0.80
LGC2ADR43-270M	27	± 20	2.52MHz/1V	0.45	0.75
LGC2ADR43-330M	33	± 20	2.52MHz/1V	0.60	0.70
LGC2ADR43-390M	39	± 20	2.52MHz/1V	0.70	0.65
LGC2ADR43-470M	47	± 20	2.52MHz/1V	0.80	0.60
LGC2ADR43-560M	56	± 20	2.52MHz/1V	0.85	0.55
LGC2ADR43-680M	68	± 20	2.52MHz/1V	1.00	0.50
LGC2ADR43-820M	82	± 20	2.52MHz/1V	1.10	0.46
LGC2ADR43-101K	100	± 10	1kHz/1V	1.20	0.22
LGC2ADR43-121K	120	± 10	1kHz/1V	1.60	0.20
LGC2ADR43-151K	150	± 10	1kHz/1V	2.00	0.20
LGC2ADR43-181K	180	± 10	1kHz/1V	3.00	0.20
LGC2ADR43-221K	220	± 10	1kHz/1V	3.00	0.20
LGC2ADR43-271K	270	± 10	1kHz/1V	4.00	0.16
LGC2ADR43-331K	330	± 10	1kHz/1V	4.00	0.14
LGC2ADR43-391K	390	± 10	1kHz/1V	5.00	0.12
LGC2ADR43-471K	470	± 10	1kHz/1V	6.00	0.12
LGC2ADR43-561K	560	± 10	1kHz/1V	7.00	0.10

注：额定电流为温升不超过40℃且相对零电流时电感值变化不超过10%的最大直流电流。

● LGC2ADR54 TYPE

型号	电感量 μH	电感量 偏差 (%)	测试条件	直流电阻 Max (Ω)	额定电流 Max (A)
LGC2ADR54-1R0M	1.0	± 20	7.96MHz/1V	0.018	3.50
LGC2ADR54-1R4M	1.4	± 20	7.96MHz/1V	0.020	3.50
LGC2ADR54-1R8M	1.8	± 20	7.96MHz/1V	0.025	3.00
LGC2ADR54-2R2M	2.2	± 20	7.96MHz/1V	0.030	2.80
LGC2ADR54-2R7M	2.7	± 20	7.96MHz/1V	0.035	2.60
LGC2ADR54-3R3M	3.3	± 20	7.96MHz/1V	0.04	2.50
LGC2ADR54-3R9M	3.9	± 20	7.96MHz/1V	0.05	2.30
LGC2ADR54-4R7M	4.7	± 20	7.96MHz/1V	0.06	2.60
LGC2ADR54-5R6M	5.6	± 20	7.96MHz/1V	0.07	2.40
LGC2ADR54-6R8M	6.8	± 20	7.96MHz/1V	0.08	2.20
LGC2ADR54-8R2M	8.2	± 20	7.96MHz/1V	0.08	2.00
LGC2ADR54-100M	10	± 20	2.52MHz/1V	0.09	1.80
LGC2ADR54-120M	12	± 20	2.52MHz/1V	0.10	1.60
LGC2ADR54-150M	15	± 20	2.52MHz/1V	0.12	1.50
LGC2ADR54-180M	18	± 20	2.52MHz/1V	0.15	1.40
LGC2ADR54-220M	22	± 20	2.52MHz/1V	0.18	1.30
LGC2ADR54-270M	27	± 20	2.52MHz/1V	0.22	1.20
LGC2ADR54-330M	33	± 20	2.52MHz/1V	0.26	1.00
LGC2ADR54-390M	39	± 20	2.52MHz/1V	0.30	0.90
LGC2ADR54-470M	47	± 20	2.52MHz/1V	0.35	0.85
LGC2ADR54-560M	56	± 20	2.52MHz/1V	0.40	0.80
LGC2ADR54-680M	68	± 20	2.52MHz/1V	0.45	0.70
LGC2ADR54-820M	82	± 20	2.52MHz/1V	0.50	0.70
LGC2ADR54-101K	100	± 10	1kHz/1V	0.70	0.60
LGC2ADR54-121K	120	± 10	1kHz/1V	0.75	0.60
LGC2ADR54-151K	150	± 10	1kHz/1V	0.90	0.55
LGC2ADR54-181K	180	± 10	1kHz/1V	1.10	0.50
LGC2ADR54-221K	220	± 10	1kHz/1V	1.20	0.40
LGC2ADR54-271K	270	± 10	1kHz/1V	1.50	0.25
LGC2ADR54-331K	330	± 10	1kHz/1V	3.00	0.22
LGC2ADR54-391K	390	± 10	1kHz/1V	3.50	0.20
LGC2ADR54-471K	470	± 10	1kHz/1V	4.00	0.19
LGC2ADR54-561K	560	± 10	1kHz/1V	4.00	0.18
LGC2ADR54-681K	680	± 10	1kHz/1V	4.50	0.15

注：额定电流为温升不超过40℃且相对零电流时电感值变化不超过10%的最大直流电流。