

LGC2ADI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

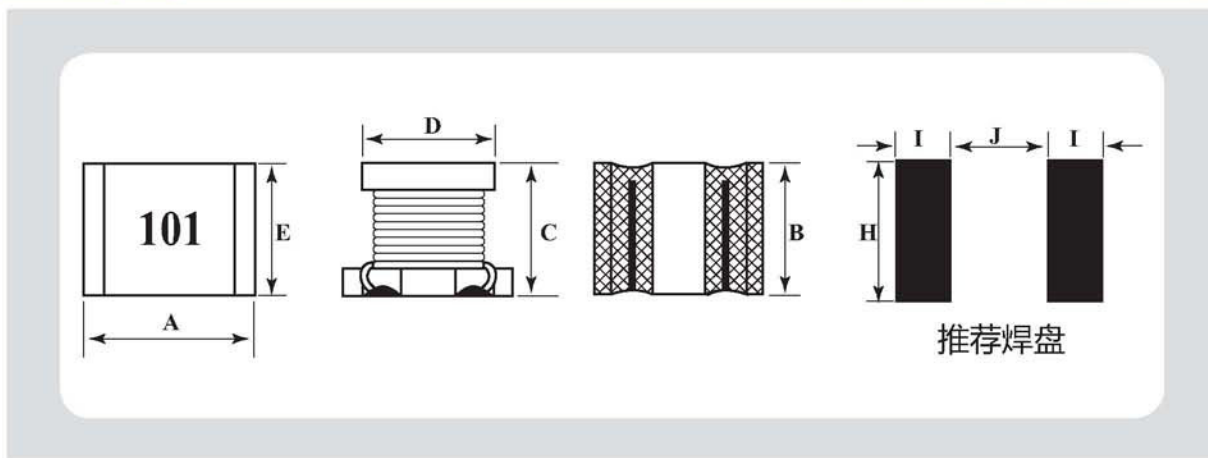
PRODUCT IDENTIFICATION

LGC 2A DI32 - 100 K
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：“DI”指该类产品外形结构代码，“32”指产品外形尺寸
- ④ 电感量：1R0-1.0 μH；100-10 μH；101-100 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							
	A	B	C	D	E	H	I	J
LGC2ADI32	3.20±0.30	2.50±0.20	2.00±0.20	2.50±0.20	2.50±0.20	2.80	1.50	1.00
LGC2ADI43	4.50±0.30	3.20±0.20	2.75±0.20	3.60±0.20	3.20±0.20	3.50	2.00	1.20

★ 规格特性

SPECIFICATIONS

● LGC2ADI32 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)	自谐频率 Min (MHz)
LGC2ADI32-R15M	0.15	± 20	1MHz/1V	0.036	1.45	400
LGC2ADI32-R27M	0.27	± 20	1MHz/1V	0.044	1.25	250
LGC2ADI32-R47M	0.47	± 20	1MHz/1V	0.055	1.10	150
LGC2ADI32-1R0M	1.0	± 20	1MHz/1V	0.078	1.00	100
LGC2ADI32-2R2M	2.2	± 20	1MHz/1V	0.169	0.60	64
LGC2ADI32-3R3M	3.3	± 20	1MHz/1V	0.210	0.52	51
LGC2ADI32-4R7M	4.7	± 20	1MHz/1V	0.260	0.45	43
LGC2ADI32-6R0M	6.0	± 20	1MHz/1V	0.270	0.35	35
LGC2ADI32-100K	10	± 10	1MHz/1V	0.572	0.30	26
LGC2ADI32-150K	15	± 10	1MHz/1V	0.754	0.30	26
LGC2ADI32-220K	22	± 10	1MHz/1V	0.923	0.25	19
LGC2ADI32-330K	33	± 10	1MHz/1V	1.43	0.20	17
LGC2ADI32-470K	47	± 10	1MHz/1V	1.69	0.17	15
LGC2ADI32-560K	56	± 10	1MHz/1V	2.17	0.15	13
LGC2ADI32-680K	68	± 10	1MHz/1V	2.86	0.13	12
LGC2ADI32-820K	82	± 10	1MHz/1V	3.0	0.11	11
LGC2ADI32-101K	100	± 10	1MHz/1V	4.55	0.10	10
LGC2ADI32-221K	220	± 10	1MHz/1V	10.92	0.07	6.8
LGC2ADI32-331K	330	± 10	1MHz/1V	13.0	0.06	5.6
LGC2ADI32-391K	390	± 10	1MHz/1V	22.1	0.06	5
LGC2ADI32-471K	470	± 10	1MHz/1V	24.7	0.06	5
LGC2ADI32-561K	560	± 10	1MHz/1V	28.6	0.06	3

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。

● LGC2ADI43 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)	自谐频率 Min (MHz)
LGC2ADI43-1R0M	1.0	± 20	1MHz/1V	0.08	1.08	100
LGC2ADI43-1R5M	1.5	± 20	1MHz/1V	0.09	1.00	85
LGC2ADI43-2R2M	2.2	± 20	1MHz/1V	0.11	0.90	60
LGC2ADI43-3R3M	3.3	± 20	1MHz/1V	0.13	0.80	47
LGC2ADI43-4R7M	4.7	± 20	1MHz/1V	0.15	0.75	35
LGC2ADI43-6R8M	6.8	± 20	1MHz/1V	0.20	0.72	30
LGC2ADI43-100K	10	± 10	1MHz/1V	0.24	0.65	23
LGC2ADI43-150K	15	± 10	1MHz/1V	0.32	0.57	20
LGC2ADI43-220K	22	± 10	1MHz/1V	0.6	0.42	15
LGC2ADI43-330K	33	± 10	1MHz/1V	1.0	0.31	12
LGC2ADI43-470K	47	± 10	1MHz/1V	1.1	0.28	10
LGC2ADI43-680K	68	± 10	1MHz/1V	1.7	0.22	8.4
LGC2ADI43-101K	100	± 10	1MHz/1V	2.2	0.19	6.8
LGC2ADI43-151K	150	± 10	1MHz/1V	3.5	0.13	5.5
LGC2ADI43-221K	220	± 10	1MHz/1V	4.0	0.11	4.5
LGC2ADI43-331K	330	± 10	1MHz/1V	6.8	0.10	3.6
LGC2ADI43-471K	470	± 10	1kHz/1V	8.5	0.09	3.0

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。