

绕线片式功率电感 GDLQH 系列

Wire Wound Chip Power Inductors GDLQH Series

特征 FEATURES

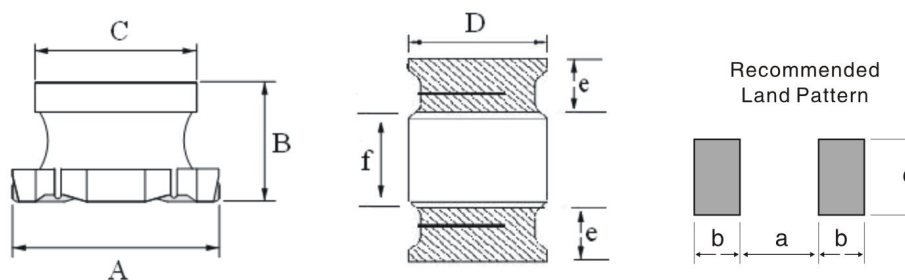
- ◆ 良好的焊接性及耐热性
- ◆ 优异的端面强度
- ◆ 高Q值，低阻抗

用途 APPLICATIONS

- ◆ 扼流滤波和滤除高频杂波



外观尺寸 Extrenal Dimension



Unit: mm

Series	A	B	C	D	e	f	I _{typ}	J _{typ}	H _{typ}
GDLQH3216	3.2 ± 0.3	1.6 ± 0.2	1.8 ± 0.2	2.3 ± 0.2	0.7(min)	0.7(min)	1.5	4.5	1.0
GDLQH3225	3.2 ± 0.3	2.5 ± 0.2	2.0 ± 0.2	2.5 ± 0.2	0.9 ± 0.3	1.3 ± 0.3	2.0	5.5	1.3
GDLQH4532	4.52 ± 0.3	3.2 ± 0.2	2.6 ± 0.2	3.6 ± 0.2	1.0(min)	1.0(min)	3.0	3.0	1.5

规格命名 SPECIFICATION NAMED

GDLQH 3225 — □□□ M I F
① ② ③ ④ ⑤ ⑥

- ① 类型：GDLQH 型绕线功率电感器
- ② 外形尺寸：3225--3.2 * 2.5 * 2.0
- ③ 标称电感量：1R0—1.0 μH、100—10 μH、101—100 μH
- ④ 公差：M—±20%
- ⑤ 包装：T—编带 / 盘装
- ⑥ 无铅环保标识 Lead Free

规格特性 SPECIFICATIONS

GDLQH 3216 系列

Part Number 型号	Inductance 电感量	Test Freq 测试频率	Q 值 (最小)	Test Freq 测试频率	DC Resistance 直流电阻	Self-resonant frequency 自谐振频率	Rated current. 额定电流
Units 单位	(μ H)	MHz	min.	MHz	Ω	--	A
Symbol 符号	Ls	Freq	--	Freq	DCR (Max)	(MHz)min.	Ir
GDLQH3216-R15MTF	0.15 \pm 20%	1	20	25.0	0.39	250.0	250
GDLQH3216-R22MTF	0.22 \pm 20%	1	20	25.0	0.43	250.0	240
GDLQH3216-R33MTF	0.33 \pm 20%	1	30	25.0	0.45	250.0	230
GDLQH3216-R47MTF	0.47 \pm 20%	1	30	25.0	0.83	200.0	215
GDLQH3216-R56MTF	0.56 \pm 20%	1	30	25.0	0.61	180.0	200
GDLQH3216-R68MTF	0.68 \pm 20%	1	30	25.0	0.67	160.0	190
GDLQH3216-R82MTF	0.82 \pm 20%	1	30	25.0	0.73	120.0	185
GDLQH3216-1R0MTF	1.00 \pm 20%	1	35	10.0	0.49	100.0	175
GDLQH3216-1R2MTF	1.20 \pm 20%	1	35	10.0	0.90	90.0	165
GDLQH3216-1R5MTF	1.50 \pm 20%	1	35	10.0	1.00	75.0	155
GDLQH3216-1R8MTF	1.80 \pm 20%	1	35	10.0	1.60	60.0	150
GDLQH3216-2R2MTF	2.20 \pm 20%	1	35	10.0	0.70	50.0	140
GDLQH3216-2R7MTF	2.70 \pm 20%	1	35	8.0	0.55	43.0	135
GDLQH3216-3R3MTF	3.30 \pm 20%	1	35	8.0	0.61	38.0	130
GDLQH3216-3R9MTF	3.90 \pm 20%	1	35	8.0	1.50	35.0	125
GDLQH3216-4R7MTF	4.70 \pm 20%	1	35	8.0	1.70	31.0	120
GDLQH3216-5R6MTF	5.60 \pm 20%	1	35	8.0	1.80	28.0	115
GDLQH3216-6R8MTF	6.80 \pm 20%	1	35	8.0	2.00	25.0	110
GDLQH3216-8R2MTF	8.20 \pm 20%	1	35	5.0	2.20	23.0	105
GDLQH3216-100MTF	10.00 \pm 20%	1	35	5.0	2.50	20.0	100
GDLQH3216-120MTF	12.00 \pm 20%	1	35	5.0	2.70	18.0	95
GDLQH3216-150MTF	15.00 \pm 20%	1	35	5.0	3.00	16.0	90
GDLQH3216-180MTF	18.00 \pm 20%	1	35	5.0	3.40	15.0	85
GDLQH3216-220MTF	22.00 \pm 20%	1	40	2.5	3.10	14.0	85
GDLQH3216-270MTF	27.00 \pm 20%	1	40	2.5	3.40	13.0	85
GDLQH3216-330MTF	33.00 \pm 20%	1	40	2.5	3.80	12.0	80
GDLQH3216-390MTF	39.00 \pm 20%	1	40	2.5	7.20	11.0	55
GDLQH3216-470MTF	47.00 \pm 20%	1	40	2.5	8.00	10.0	55
GDLQH3216-560MTF	56.00 \pm 20%	1	40	2.5	8.90	9.0	50
GDLQH3216-680MTF	68.00 \pm 20%	1	40	2.5	9.90	8.5	50
GDLQH3216-820MTF	82.00 \pm 20%	1	40	2.5	11.0	7.5	45
GDLQH3216-101MTF	100.00 \pm 20%	1	40	2.5	12.0	7.0	45



GD LQH 3225 系列

Part Number 型号	Inductance 电感量	Test Freq 测试频率	Q 值 (最小)	Test Freq 测试频率	DC Resistance 直流电阻	Self-resonant frequency 自谐振频率	Rated current. 额定电流
Units 单位	(μ H)	MHz	min.	MHz	Ω	--	A
Symbol 符号	Ls	Freq	--	Freq	DCR (Max)	(MHz)min.	Ir
GDLQH3225-1R0MTF	1.0 \pm 20%	1	20	1	0.50	100	445
GDLQH3225-1R2MTR	1.2 \pm 20%	1	20	1	0.60	100	425
GDLQH3225-1R5MTR	1.5 \pm 20%	1	20	1	0.60	75	400
GDLQH3225-1R8MTF	1.8 \pm 20%	1	20	1	0.70	60	390
GDLQH3225-2R2MTF	2.2 \pm 20%	1	20	1	0.80	50	370
GDLQH3225-2R7MTF	2.7 \pm 20%	1	20	1	0.90	43	320
GDLQH3225-3R3MTF	3.3 \pm 20%	1	20	1	1.00	38	300
GDLQH3225-3R9MTF	3.9 \pm 20%	1	20	1	1.10	35	290
GDLQH3225-4R7MTF	4.7 \pm 20%	1	20	1	1.20	31	270
GDLQH3225-5R6MTF	5.6 \pm 20%	1	20	1	1.30	28	250
GDLQH3225-6R8MTF	6.8 \pm 20%	1	20	1	1.50	25	240
GDLQH3225-8R2MTF	8.2 \pm 20%	1	20	1	1.60	23	225
GDLQH3225-100MTF	10 \pm 20%	1	35	1	1.80	20	190
GDLQH3225-120MTF	12 \pm 20%	1	35	1	2.00	18	180
GDLQH3225-150MTF	15 \pm 20%	1	35	1	2.20	16	170
GDLQH3225-180MTF	18 \pm 20%	1	35	1	2.50	15	165
GDLQH3225-220MTF	22 \pm 20%	1	35	1	2.80	14	150
GDLQH3225-270MTF	27 \pm 20%	1	35	1	3.10	13	125
GDLQH3225-330MTF	33 \pm 20%	1	40	1	3.50	12	115
GDLQH3225-390MTF	39 \pm 20%	1	40	1	3.90	11	110
GDLQH3225-470MTF	47 \pm 20%	1	40	1	4.30	11	100
GDLQH3225-560MTF	56 \pm 20%	1	40	1	4.90	10	85
GDLQH3225-680MTF	68 \pm 20%	1	40	1	5.50	9.0	80
GDLQH3225-820MTF	82 \pm 20%	1	40	1	6.20	8.5	70
GDLQH3225-101MTF	100 \pm 20%	1	40	1	7.00	8.0	80
GDLQH3225-121MTF	120 \pm 20%	1	40	1	8.00	7.5	75
GDLQH3225-151MTF	150 \pm 20%	1	40	1	9.30	7.0	70
GDLQH3225-181MTF	180 \pm 20%	1	40	1	10.2	6.0	65
GDLQH3225-221MTF	220 \pm 20%	1	40	1	11.8	5.5	65
GDLQH3225-271MTF	270 \pm 20%	1	40	1	12.5	5.0	65
GDLQH3225-331MTF	330 \pm 20%	1	40	1	13.0	5.0	65
GDLQH3225-391MTF	390 \pm 20%	1	50	1	22.0	5.0	50
GDLQH3225-471MTF	470 \pm 20%	1	50	1	25.0	5.0	45
GDLQH3225-561MTF	560 \pm 20%	1	50	1	28.0	5.0	40

绕线片式功率电感 GD LQH 系列

GDLQH 4532 系列

Part Number 型号	Inductance 电感量	Test Freq 测试频率	Q 值 (最小)	Test Freq 测试频率	DC Resistance 直流电阻	Self-resonant frequency 自谐振频率	Rated current. 额定电流
Units 单位	(μ H)	MHz	min.	MHz	Ω	--	A
Symbol 符号	Ls	Freq	--	Freq	DCR (Max)	(MHz)min.	Ir
GDLQH4532-1R0MTF	1.0 \pm 20%	1	20	1	0.20	120.0	500
GDLQH4532-1R2MTF	1.2 \pm 20%	1	20	1	0.20	100.0	500
GDLQH4532-1R5MTF	1.5 \pm 20%	1	20	1	0.30	85.0	500
GDLQH4532-1R8MTF	1.8 \pm 20%	1	20	1	0.30	75.0	500
GDLQH4532-2R2MTF	2.2 \pm 20%	1	20	1	0.30	62.0	500
GDLQH4532-2R7MTF	2.7 \pm 20%	1	20	1	0.32	53.0	500
GDLQH4532-3R3MTF	3.3 \pm 20%	1	20	1	0.35	47.0	500
GDLQH4532-3R9MTF	3.9 \pm 20%	1	20	1	0.38	41.0	500
GDLQH4532-4R7MTF	4.7 \pm 20%	1	30	1	0.40	38.0	500
GDLQH4532-5R6MTF	5.6 \pm 20%	1	30	1	0.47	33.0	450
GDLQH4532-6R8MTF	6.8 \pm 20%	1	30	1	0.50	31.0	450
GDLQH4532-8R2MTF	8.2 \pm 20%	1	30	1	0.56	27.0	400
GDLQH4532-100MTF	10 \pm 20%	1	35	1	0.56	23.0	400
GDLQH4532-120MTF	12 \pm 20%	1	35	1	0.62	21.0	380
GDLQH4532-150MTF	15 \pm 20%	1	35	1	0.73	19.0	360
GDLQH4532-180MTF	18 \pm 20%	1	35	1	0.82	17.0	340
GDLQH4532-220MTF	22 \pm 20%	1	35	1	0.94	15.0	320
GDLQH4532-270MTF	27 \pm 20%	1	35	1	1.10	14.0	300
GDLQH4532-330MTF	33 \pm 20%	1	35	1	1.20	12.0	270
GDLQH4532-390MTF	39 \pm 20%	1	35	1	1.40	11.0	240
GDLQH4532-470MTF	47 \pm 20%	1	35	1	1.50	10.0	220
GDLQH4532-560MTF	56 \pm 20%	1	35	1	1.70	9.3	200
GDLQH4532-680MTF	68 \pm 20%	1	35	1	1.90	8.4	180
GDLQH4532-820MTF	82 \pm 20%	1	35	1	2.20	7.5	170
GDLQH4532-101MTF	100 \pm 20%	1	35	1	2.50	6.8	160
GDLQH4532-121MTF	120 \pm 20%	1	40	1	3.00	6.2	150
GDLQH4532-151MTF	150 \pm 20%	1	40	1	3.70	5.5	130
GDLQH4532-181MTF	180 \pm 20%	1	40	1	4.50	5.0	120
GDLQH4532-221MTF	220 \pm 20%	1	40	1	5.40	4.5	110
GDLQH4532-271MTF	270 \pm 20%	1	40	1	6.80	4.0	100
GDLQH4532-331MTF	330 \pm 20%	1	40	1	8.20	3.6	95
GDLQH4532-391MTF	390 \pm 20%	1	40	1	9.70	3.3	90
GDLQH4532-471MTF	470 \pm 20%	1	40	1	11.8	3.0	80
GDLQH4532-561MTF	560 \pm 20%	1	40	1	14.5	2.7	70

备注：1、工作温度范围：-40至85℃； 2、所有测试数据均在25℃环境所得。
 3、最大额定电流为导致初始电感减少了30%或温升为40℃时直流电流，取小者。