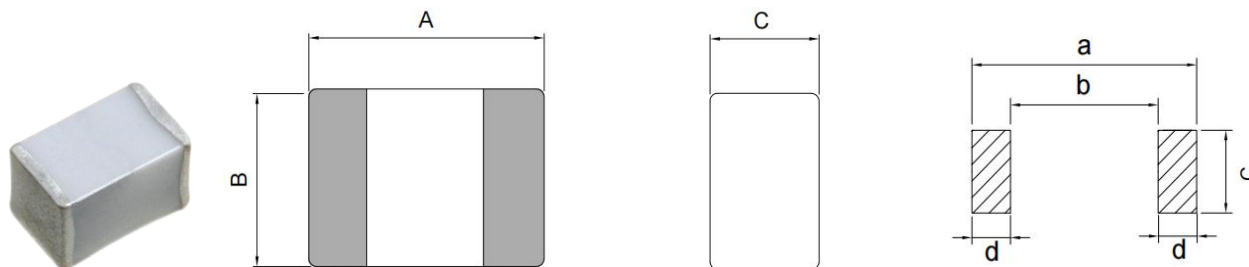


■ Multilayer Chip Inductors

结构及外形尺寸 Dimensions of structure and shape



Part Number	Dimensions	Dimensions	Dimensions	Land Patterns		
	长 A (mm)	宽 B(mm)	高 C(mm)	推荐焊盘尺寸		
	A (mm)	B(mm)	C(mm)	a(mm)	b(mm)	c(mm)
GCCL1005T	1.00±0.05	0.50±0.05	0.50±0.05	1.40	0.40	0.80
GCCL1608T	1.60±0.15	0.80±0.15	0.80±0.15	2.00	0.60	1.00
GCCL2012T	2.00±0.20	1.25±0.15	0.85±0.20	2.90	0.80	1.40

特点 Features

- 独石结构确保高信赖性
- Monolithic structure for high reliability
- 操作频率可高达10GHz
- Support operating frequency up to 10GHz.
- 提供较高的品质系数
- Provide high quality factor.
- 优良的焊锡性及耐热性, 适合 Flow 及 Reflow 两种焊锡方式
- Excellent solderability and high heat resistance for either flow or reflow soldering.

应用 Applications

- 移动通讯 智能手机 导航设备
- Mobile phone, smart phone, PND.
- 主板、平板电脑、笔记本、台式电脑及其周边设备
- Mother board, tablet PC, notebook, desktop computers and peripheral equipment.
- 数码相机、录影机、液晶电视、机顶盒
- DSC, DVC, LCD Television, Set Top Box.
- 各种汽车设备
- Various automotive electronics.
- 射频电路及模组
- RF circuit and module.

电感特性范围 Inductance and rated current ranges

GCCL1005T	1.0~360nH	0.10~7.50Ω	400~50mA
GCCL1608T	1.0~680nH	0.05~4.50Ω	300~100mA
GCCL2012T	1.0~680nH	0.10~5.50Ω	300~50mA

包装数量 Packaging Quantity

GCCL1005T	10000PCS/R
GCCL1608T	4000PCS/R
GCCL2012T	4000PCS/R

★ 产品可以按客户要求定制

Products can be customized according to customer requirements

本产品符合车载信赖性标准AEC-Q200

This product Complied with automotive reliability test standard AEC-Q200



GCCL Series (MULTILAYER)

ELECTRICAL SPECIFICATION

GCCL1005T Series (Quantity: 10000PCS)/GCCL1005T 系列 (数量: 10000PCS)

Part Number	Inductance (nH)	Test Freq. (MHz)	Q min	Rated DC Current(mA)	DCR (Ω) max.	SRF (GHz)min.
GCCL1005T-1N0S01	1.0±0.3nH	100	8	400	0.10	10.00
GCCL1005T-1N1S01	1.1±0.3nH	100	8	400	0.10	10.00
GCCL1005T-1N2S01	1.2±0.3nH	100	8	400	0.10	10.00
GCCL1005T-1N3S01	1.3±0.3nH	100	8	400	0.10	10.00
GCCL1005T-1N5S01	1.5±0.3nH	100	8	300	0.10	6.00
GCCL1005T-1N6S01	1.6±0.3nH	100	8	300	0.10	6.00
GCCL1005T-1N8S01	1.8±0.3nH	100	8	300	0.20	6.00
GCCL1005T-2N0S01	2.0±0.3nH	100	8	300	0.20	6.00
GCCL1005T-2N2S01	2.2±0.3nH	100	8	300	0.20	6.00
GCCL1005T-2N4S01	2.4±0.3nH	100	8	300	0.20	6.00
GCCL1005T-2N7S01	2.7±0.3nH	100	8	300	0.20	6.00
GCCL1005T-3N0S01	3.0±0.3nH	100	8	300	0.20	6.00
GCCL1005T-3N3S01	3.3±0.3nH	100	8	300	0.20	6.00
GCCL1005T-3N6S01	3.6±0.3nH	100	8	300	0.20	4.00
GCCL1005T-3N9S01	3.9±0.3nH	100	8	300	0.20	4.00
GCCL1005T-4N3S01	4.3±0.3nH	100	8	300	0.20	4.00
GCCL1005T-4N7S01	4.7±0.3nH	100	8	300	0.20	4.00
GCCL1005T-5N1S01	5.1±0.3nH	100	8	300	0.30	4.00
GCCL1005T-5N6S01	5.6±0.3nH	100	8	300	0.30	4.00
GCCL1005T-6N2S01	6.2±0.3nH	100	8	300	0.30	3.90
GCCL1005T-6N8J01	6.8±5%	100	8	300	0.30	3.90
GCCL1005T-7N5J01	7.5±5%	100	8	300	0.40	3.70
GCCL1005T-8N2J01	8.2±5%	100	8	300	0.40	3.60
GCCL1005T-9N1J01	9.1±5%	100	8	300	0.40	3.40
GCCL1005T-10NJ01	10±5%	100	8	300	0.40	3.20
GCCL1005T-12NJ01	12±5%	100	8	300	0.50	2.70
GCCL1005T-15NJ01	15±5%	100	8	300	0.50	2.30
GCCL1005T-18NJ01	18±5%	100	8	300	0.60	2.10
GCCL1005T-22NJ01	22±5%	100	8	300	0.60	1.90
GCCL1005T-27NJ01	27±5%	100	8	300	0.70	1.60
GCCL1005T-33NJ01	33±5%	100	8	200	0.80	1.30
GCCL1005T-39NJ01	39±5%	100	8	200	1.00	1.20
GCCL1005T-43NJ01	43±5%	100	8	200	1.10	1.10
GCCL1005T-47NJ01	47±5%	100	8	200	1.10	1.00
GCCL1005T-56NJ01	56±5%	100	8	200	1.20	0.75
GCCL1005T-68NJ01	68±5%	100	8	180	1.40	0.75
GCCL1005T-82NJ01	82±5%	100	8	150	2.40	0.60
GCCL1005T-R10J01	100±5%	100	8	150	2.60	0.60
GCCL1005T-R12J01	120±5%	100	8	150	2.80	0.60
GCCL1005T-R15J01	150±5%	100	8	100	3.20	0.55
GCCL1005T-R18J01	180±5%	100	8	100	3.70	0.50
GCCL1005T-R22J01	220±5%	100	8	100	4.00	0.45
GCCL1005T-R27J01	270±5%	100	8	100	4.50	0.40
GCCL1005T-R30J01	300±5%	50	6	50	7.00	0.35
GCCL1005T-R33J01	330±5%	50	6	50	7.00	0.35
GCCL1005T-R36J01	360±5%	50	6	50	7.50	0.30



GCCL Series (MULTILAYER)

ELECTRICAL SPECIFICATION

GCCL1608T Series (Quantity: 4000PCS)/GCCL1608T 系列 (数量: 4000PCS)

Part Number	Inductance (nH)	Test Freq. (MHz)	Q min	Rated DC Current(mA)	DCR (Ω) max.	SRF (GHz)min.
GCCL1608T-1N0S01	1.0 \pm 0.3nH	100	8	300	0.05	10.00
GCCL1608T-1N2S01	1.2 \pm 0.3nH	100	8	300	0.05	10.00
GCCL1608T-1N5S01	1.5 \pm 0.3nH	100	8	300	0.10	6.00
GCCL1608T-1N8S01	1.8 \pm 0.3nH	100	8	300	0.10	6.00
GCCL1608T-2N2S01	2.2 \pm 0.3nH	100	8	300	0.10	6.00
GCCL1608T-2N7S01	2.7 \pm 0.3nH	100	10	300	0.10	6.00
GCCL1608T-3N3S01	3.3 \pm 0.3nH	100	10	300	0.12	6.00
GCCL1608T-3N9S01	3.9 \pm 0.3nH	100	10	300	0.14	6.00
GCCL1608T-4N7S01	4.7 \pm 0.3nH	100	10	300	0.16	4.00
GCCL1608T-5N6S01	5.6 \pm 0.3nH	100	10	300	0.18	4.00
GCCL1608T-6N8J01	6.8 \pm 5%	100	10	300	0.22	4.00
GCCL1608T-8N2J01	8.2 \pm 5%	100	10	300	0.24	3.50
GCCL1608T-10NJ01	10 \pm 5%	100	12	300	0.26	3.40
GCCL1608T-12NJ01	12 \pm 5%	100	12	300	0.28	2.60
GCCL1608T-15NJ01	15 \pm 5%	100	12	300	0.32	2.30
GCCL1608T-18NJ01	18 \pm 5%	100	12	300	0.35	2.00
GCCL1608T-22NJ01	22 \pm 5%	100	12	300	0.40	1.60
GCCL1608T-27NJ01	27 \pm 5%	100	12	300	0.45	1.40
GCCL1608T-33NJ01	33 \pm 5%	100	12	300	0.55	1.20
GCCL1608T-39NJ01	39 \pm 5%	100	12	300	0.60	1.10
GCCL1608T-47NJ01	47 \pm 5%	100	12	300	0.70	0.90
GCCL1608T-56NJ01	56 \pm 5%	100	12	300	0.75	0.90
GCCL1608T-68NJ01	68 \pm 5%	100	12	300	0.85	0.70
GCCL1608T-82NJ01	82 \pm 5%	100	12	300	0.95	0.60
GCCL1608T-R10J01	100 \pm 5%	100	12	300	1.00	0.60
GCCL1608T-R12J01	120 \pm 5%	50	8	300	1.20	0.50
GCCL1608T-R15J01	150 \pm 5%	50	8	200	1.60	0.50
GCCL1608T-R18J01	180 \pm 5%	50	8	200	1.90	0.40
GCCL1608T-R22J01	220 \pm 5%	50	8	200	2.40	0.40
GCCL1608T-R27J01	270 \pm 5%	50	8	150	2.60	0.35
GCCL1608T-R33J01	330 \pm 5%	50	8	150	2.80	0.35
GCCL1608T-R39J01	390 \pm 5%	50	8	150	3.20	0.30
GCCL1608T-R43J01	430 \pm 5%	50	8	150	3.40	0.28
GCCL1608T-R47J01	470 \pm 5%	50	8	150	3.60	0.25
GCCL1608T-R56J01	560 \pm 5%	50	8	100	4.00	0.25
GCCL1608T-R68J01	680 \pm 5%	50	8	100	4.50	0.25



GCCL Series (MULTILAYER)

ELECTRICAL SPECIFICATION

GCCL1608T Series (Quantity: 4000PCS)/GCCL1608T 系列 (数量: 4000PCS)

Part Number	Inductance (nH)	Test Freq. (MHz)	Q min	Rated DC Current(mA)	DCR (Ω) max.	SRF (GHz)min.
GCCL2012T-1N0S01	1.0 \pm 0.3nH	10	100	300	0.10	10.00
GCCL2012T-1N2S01	1.2 \pm 0.3nH	10	100	300	0.10	10.00
GCCL2012T-1N5S01	1.5 \pm 0.3nH	10	100	300	0.10	4.00
GCCL2012T-1N8S01	1.8 \pm 0.3nH	10	100	300	0.10	4.00
GCCL2012T-2N2S01	2.2 \pm 0.3nH	10	100	300	0.10	4.00
GCCL2012T-2N7S01	2.7 \pm 0.3nH	12	100	300	0.10	4.00
GCCL2012T-3N3S01	3.3 \pm 0.3nH	12	100	300	0.13	4.00
GCCL2012T-3N9S01	3.9 \pm 0.3nH	12	100	300	0.15	4.00
GCCL2012T-4N7S01	4.7 \pm 0.3nH	12	100	300	0.20	3.50
GCCL2012T-5N6S01	5.6 \pm 0.3nH	15	100	300	0.23	3.20
GCCL2012T-6N8J01	6.8 \pm 5%	15	100	300	0.25	2.80
GCCL2012T-8N2J01	8.2 \pm 5%	15	100	300	0.28	2.40
GCCL2012T-10NJ01	10 \pm 5%	15	100	300	0.30	2.10
GCCL2012T-12NJ01	12 \pm 5%	15	100	300	0.35	1.90
GCCL2012T-15NJ01	15 \pm 5%	15	100	300	0.40	1.60
GCCL2012T-18NJ01	18 \pm 5%	15	100	300	0.45	1.50
GCCL2012T-22NJ01	22 \pm 5%	18	100	300	0.50	1.40
GCCL2012T-27NJ01	27 \pm 5%	18	100	300	0.55	1.30
GCCL2012T-33NJ01	33 \pm 5%	18	100	300	0.60	1.20
GCCL2012T-39NJ01	39 \pm 5%	18	100	300	0.65	1.00
GCCL2012T-47NJ01	47 \pm 5%	18	100	300	0.70	0.90
GCCL2012T-56NJ01	56 \pm 5%	18	100	300	0.75	0.80
GCCL2012T-68NJ01	68 \pm 5%	18	100	300	0.80	0.70
GCCL2012T-82NJ01	82 \pm 5%	18	100	300	0.90	0.60
GCCL2012T-R10J01	100 \pm 5%	18	100	300	0.90	0.60
GCCL2012T-R12J01	120 \pm 5%	13	50	300	0.95	0.50
GCCL2012T-R15J01	150 \pm 5%	13	50	300	1.00	0.50
GCCL2012T-R18J01	180 \pm 5%	13	50	300	1.10	0.40
GCCL2012T-R22J01	220 \pm 5%	12	50	300	1.20	0.35
GCCL2012T-R27J01	270 \pm 5%	12	50	300	1.30	0.30
GCCL2012T-R33J01	330 \pm 5%	12	50	300	1.40	0.25
GCCL2012T-R39J01	390 \pm 5%	10	50	300	1.40	0.25
GCCL2012T-R47J01	470 \pm 5%	10	50	200	4.00	0.20
GCCL2012T-R56J01	560 \pm 5%	10	25	50	5.00	0.18
GCCL2012T-R68J01	680 \pm 5%	10	25	50	5.50	0.16