

承认书
Specification

客户名称:

Customer Name: _____

(请填写贵司全名)

规格书编号:

Spicification NO : Spec-CMLF Series Rev.01

客户品名 :

Product P/N : _____

(请填写贵司物料品名)

华拓品名 :

Manufacturer's P/N : _____

(请填写欲承认的华拓品名)

变更履历:

Revised record:

Rev.	Date	Changed Contents	Change reasons	Approved by
01	2013-12-10	New released		Buck

客户承认栏 (请签名并写明日期后回传)

广州华拓电子科技有限公司

Customer's Approval

Confirmed	Checked	Prepared
Buck	Dana	Amy

Type: CMLF1608, 2012

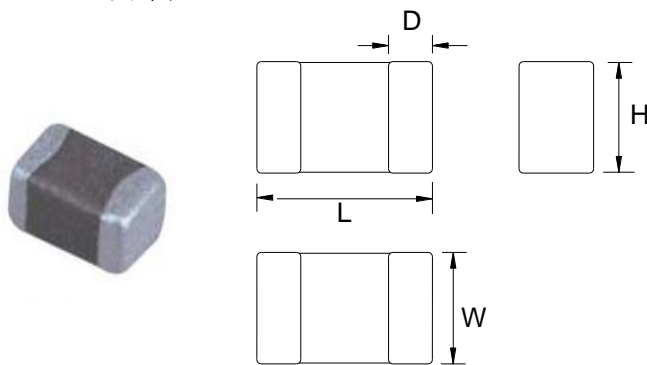
Feature/特长

- Monolithic inorganic material construction(Ferrite)
- Excellent solderability and heat resistance.
- High reliability.
- RoHS compliant.
- 无机材料构造(铁氧体)。
- 良好的可焊性、耐热性。
- 高可靠性。
- RoHS指定对应。

Application/用途

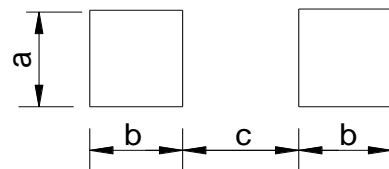
For high frequency applications such as mobile phones, high frequency modules (PA, VCO, FEM etc.), Bluetooth, W-LAN, UWB and tuners. 携帶電話、高周波数制品(PA, VCO, FEM etc.), Bluetooth, W-LAN, UWB 及无线电收音机適用。

Dimensions/外形图



Recommended Land Pattern

推荐贴装尺寸



Unit: mm

Type	L	W	H	D	a	b	c	Packaging (pcs/reel)
CMLF1608	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2	0.8	1.0	0.6	4000
CMLF2012	2.0±0.2	1.25±0.2	0.85±0.2	0.5±0.3	1.0	1.0	1.0	4000
CMLF2012A	2.0±0.2	1.25±0.2	1.25±0.2	0.5±0.3	1.0	1.0	1.0	2000

Dimensions without tolerance are typical./无公差尺寸为参考值。

Product Identification/品名注释

C M L F 1608 - 47N J C
(1) (2) (3) (4) (5) (6) (7) (8)

- (1) SMD/表面安装制品
- (2) Multilayer chip /叠层片式
- (3) Inductors/电感
- (4) Ferrite/铁氧体

- (5) Dimension symbol/尺寸表示:
1608=1.6 X 0.8 mm (L X W)
- (6) Inductance value/电感值:
47N= 47nH,R10=100nH,1R0=1.0uH,100=10uH
- (7) Tolerance/公差: M (±20%), L(±15%), K(±10%)
- (8) Packing Style/包装形态:C=Carrier taping/载带包装

CMLF1608 Electrical Characteristics

Part Number	Inductance (uH)	Inductance tolerance	Q min.	Test Frequency (MHz)	DCR max. (mΩ)	Rated Current (mA)	SRF min. (MHz)	Thickness (mm)
CMLF1608-47NKC	0.047	K	10	50	300	50	260	0.8 ± 0.15
CMLF1608-68NKC	0.068	K	10	50	300	50	250	0.8 ± 0.15
CMLF1608-82NKC	0.082	K	10	50	300	50	245	0.8 ± 0.15
CMLF1608-R10KC	0.10	K	15	25	500	50	240	0.8 ± 0.15
CMLF1608-R12KC	0.12	K	15	25	500	50	205	0.8 ± 0.15
CMLF1608-R15KC	0.15	K	15	25	600	50	180	0.8 ± 0.15
CMLF1608-R18KC	0.18	K	15	25	600	50	165	0.8 ± 0.15
CMLF1608-R22KC	0.22	K	15	25	800	50	150	0.8 ± 0.15
CMLF1608-R27KC	0.27	K	15	25	800	50	136	0.8 ± 0.15
CMLF1608-R33KC	0.33	K	15	25	850	35	125	0.8 ± 0.15
CMLF1608-R39KC	0.39	K	15	25	1000	35	110	0.8 ± 0.15
CMLF1608-R47KC	0.47	K	15	25	1350	35	105	0.8 ± 0.15
CMLF1608-R56KC	0.56	K	15	25	1550	35	95	0.8 ± 0.15
CMLF1608-R68KC	0.68	K	15	25	1700	35	80	0.8 ± 0.15
CMLF1608-R82KC	0.82	K	15	25	2100	35	75	0.8 ± 0.15
CMLF1608-1R0KC	1.0	K	30	10	600	25	70	0.8 ± 0.15
CMLF1608-1R2KC	1.2	K	30	10	800	25	60	0.8 ± 0.15
CMLF1608-1R5KC	1.5	K	30	10	800	25	55	0.8 ± 0.15
CMLF1608-1R8KC	1.8	K	30	10	950	25	50	0.8 ± 0.15
CMLF1608-2R2KC	2.2	K	30	10	1150	15	45	0.8 ± 0.15
CMLF1608-2R7KC	2.7	K	30	10	1350	15	40	0.8 ± 0.15
CMLF1608-3R3KC	3.3	K	30	10	1550	15	38	0.8 ± 0.15
CMLF1608-3R9KC	3.9	K	30	10	1700	15	36	0.8 ± 0.15
CMLF1608-4R7KC	4.7	K	30	10	2100	15	33	0.8 ± 0.15
CMLF1608-5R6KC	5.6	K	30	10	1550	15	22	0.8 ± 0.15
CMLF1608-6R8KC	6.8	K	30	10	1700	15	20	0.8 ± 0.15
CMLF1608-8R2KC	8.2	K	30	10	2100	15	18	0.8 ± 0.15
CMLF1608-100KC	10	K	30	4	2550	15	17	0.8 ± 0.15
CMLF1608-120KC	12	K	30	4	2750	15	15	0.8 ± 0.15
CMLF1608-150KC	15	K	30	4	1700	15	14	0.8 ± 0.15
CMLF1608-180KC	18	K	30	2	1850	15	13	0.8 ± 0.15

• Tolerance: M (±20%), L(±15%), K(±10%)

• Test equipments:

Inductance Q : HP4291A+16193A, or equivalent; SRF: HP8720C, or equivalent; DCR: YOKOGAWA TYPE7561, or equivalent

• Rated current : is the current at which the temperature rise is 20°C.

CMLF2012/CMLF2012A Electrical Characteristics

Part Number	Inductance (uH)	Inductance tolerance	Q min.	Test Frequency (MHz)	DCR max. (mΩ)	Rated Current (mA)	SRF min. (MHz)	Thickness (mm)
CMLF2012-47NKC	0.047	K	15	50	200	300	320	0.85 ± 0.2
CMLF2012-68NKC	0.068	K	15	50	200	300	280	0.85 ± 0.2
CMLF2012-82NKC	0.082	K	15	50	200	300	255	0.85 ± 0.2
CMLF2012-R10KC	0.10	K	20	25	300	250	235	0.85 ± 0.2
CMLF2012-R12KC	0.12	K	20	25	300	250	220	0.85 ± 0.2
CMLF2012-R15KC	0.15	K	20	25	400	250	200	0.85 ± 0.2
CMLF2012-R18KC	0.18	K	20	25	400	250	185	0.85 ± 0.2
CMLF2012-R22KC	0.22	K	20	25	500	250	170	0.85 ± 0.2
CMLF2012-R27KC	0.27	K	20	25	500	250	150	0.85 ± 0.2
CMLF2012-R33KC	0.33	K	20	25	550	250	145	0.85 ± 0.2
CMLF2012-R39KC	0.39	K	20	25	650	200	135	0.85 ± 0.2
CMLF2012-1R0KC	1.0	K	45	10	400	50	75	0.85 ± 0.2
CMLF2012-1R2KC	1.2	K	45	10	500	50	65	0.85 ± 0.2
CMLF2012-1R5KC	1.5	K	45	10	500	50	60	0.85 ± 0.2
CMLF2012-1R8KC	1.8	K	45	10	600	50	55	0.85 ± 0.2
CMLF2012-2R2KC	2.2	K	45	10	650	30	50	0.85 ± 0.2
CMLF2012A-R47KC	0.47	K	45	10	650	200	125	1.25 ± 0.2
CMLF2012A-R56KC	0.56	K	45	10	750	150	115	1.25 ± 0.2
CMLF2012A-R68KC	0.68	K	45	10	800	150	105	1.25 ± 0.2
CMLF2012A-R82KC	0.82	K	45	10	1000	150	100	1.25 ± 0.2
CMLF2012A-2R7KC	2.7	K	45	10	750	30	45	1.25 ± 0.2
CMLF2012A-3R3KC	3.3	K	45	10	800	30	41	1.25 ± 0.2
CMLF2012A-3R9KC	3.9	K	45	10	900	30	38	1.25 ± 0.2
CMLF2012A-4R7KC	4.7	K	45	10	1000	30	35	1.25 ± 0.2
CMLF2012A-5R6KC	5.6	K	45	4	900	15	32	1.25 ± 0.2
CMLF2012A-6R8KC	6.8	K	45	4	1000	15	29	1.25 ± 0.2
CMLF2012A-8R2KC	8.2	K	45	4	1100	15	26	1.25 ± 0.2
CMLF2012A-100KC	10	K	45	2	1150	15	24	1.25 ± 0.2
CMLF2012A-120KC	12	K	45	2	1250	15	22	1.25 ± 0.2
CMLF2012A-150KC	15	K	30	1	800	5	19	1.25 ± 0.2
CMLF2012A-180KC	18	K	30	1	900	5	18	1.25 ± 0.2
CMLF2012A-220KC	22	K	30	1	1100	5	16	1.25 ± 0.2
CMLF2012A-270KC	27	K	30	1	1150	5	14	1.25 ± 0.2
CMLF2012A-330KC	33	K	30	0.4	1250	5	13	1.25 ± 0.2

• Tolerance: M (±20%), L(±15%),K(±10%)

• Test equipments:

Inductance Q : HP4291A+16193A, or equivalent; SRF: HP8720C, or equivalent; DCR: YOKOGAWA TYPE7561, or equivalent

• Rated current : is the current at which the temperature rise is 20°C.