

## CFL1206C TYPE

### ●FEATURE

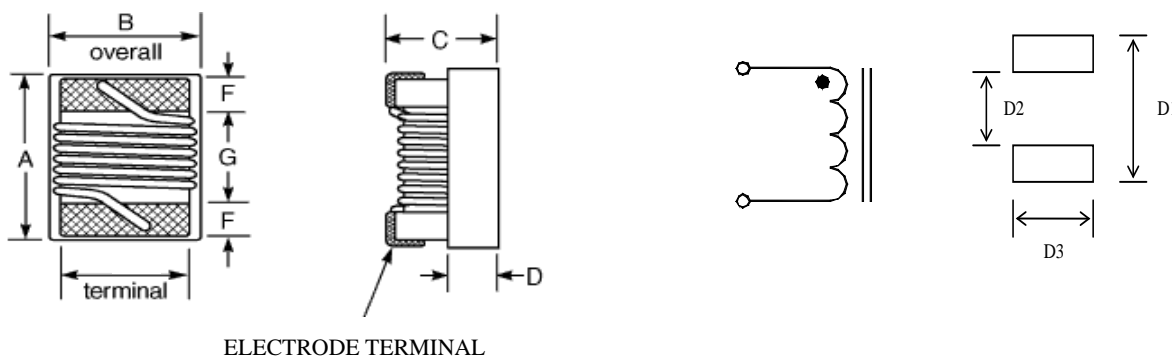
1. High frequency
2. Highest possible SRF as well as excellent Q values

### ●Applications

1. Pager, Cordless phone and High freq. communication products

### ●Shape and Dimension

### ●Schematics and Land Patterns(mm)



### ●Specification

Dimension in m/m

TYPE	A(Max)	B(Max)	C(Max)	D	F	G	D1	D2	D3
CFL1206C	3.60	2.20	1.60	0.51	0.51	2.60	3.90	1.80	2.0

Note1. Measurement equipment of electrical : HP E4991A

Note2. Measurement ambient temperature of L, DCR and IDC : at 25°C

Note3. Inductance tolerance: J:  $\pm 5\%$  ; K:  $\pm 10\%$

Note4. Ordering code : Part number + Inductance tolerance + customer code (if necessary)

Note5. This specification might be changed without notice due to under developing and improving.

Thank you for your understanding.

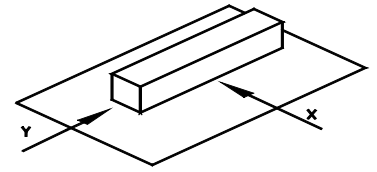
Part Number	L(nH)/@MHz	Inductance tolerance	Q min /@MHz	SRF(MHz) min.	DCR ( $\Omega$ Max)	IDC(mA) (Max)
CFL1206C-6N8□	6.8 / 100	J · K	30 / 300	5500	0.07	1000
CFL1206C-8N2□	8.2 / 100	J · K	15 / 300	3200	0.18	1000
CFL1206C-10N□	10 / 100	J · K	40 / 300	4000	0.08	1000
CFL1206C-12N□	12 / 100	J · K	40 / 300	3200	0.08	1000
CFL1206C-15N□	15 / 100	J · K	40 / 300	3200	0.10	1000
CFL1206C-22N□	22 / 100	J · K	50 / 300	2200	0.10	1000
CFL1206C-24N□	24 / 100	J · K	50 / 300	2000	0.10	1000
CFL1206C-27N□	27 / 100	J · K	50 / 300	1800	0.11	1000
CFL1206C-33N□	33 / 100	J · K	55 / 300	1800	0.14	1000
CFL1206C-39N□	39 / 100	J · K	55 / 300	1800	0.12	1000
CFL1206C-47N□	47 / 100	J · K	55 / 300	1500	0.19	1000
CFL1206C-56N□	56 / 100	J · K	55 / 300	1450	0.22	1000
CFL1206C-62N□	62 / 100	J · K	55 / 300	1200	0.20	1000
CFL1206C-68N□	68 / 100	J · K	55 / 300	1200	0.27	900
CFL1206C-82N□	82 / 100	J · K	55 / 300	1150	0.26	860
CFL1206C-91N□	91 / 100	J · K	55 / 300	1100	0.24	900
CFL1206C-R10□	100 / 100	J · K	55 / 300	1100	0.26	850
CFL1206C-R12□	120 / 100	J · K	60 / 300	1100	0.32	800
CFL1206C-R15□	150 / 100	J · K	60 / 300	950	0.36	750
CFL1206C-R18□	180 / 50	J · K	60 / 300	900	0.43	700
CFL1206C-R22□	220 / 50	J · K	60 / 300	760	0.50	670
CFL1206C-R27□	270 / 50	J · K	55 / 300	730	0.56	630
CFL1206C-R30□	300 / 50	J · K	45 / 300	700	0.58	600
CFL1206C-R33□	330 / 50	J · K	45 / 150	650	0.62	590
CFL1206C-R36□	360 / 50	J · K	45 / 150	600	0.65	550
CFL1206C-R39□	390 / 50	J · K	45 / 150	600	0.75	530
CFL1206C-R43□	430 / 50	J · K	47 / 150	600	1.25	510
CFL1206C-R47□	470 / 50	J · K	47 / 150	550	1.30	490
CFL1206C-R56□	560 / 35	J · K	45 / 150	470	1.45	460
CFL1206C-R62□	620 / 35	J · K	45 / 150	465	1.52	455
CFL1206C-R68□	680 / 35	J · K	45 / 150	460	1.55	450
CFL1206C-R75□	750 / 35	J · K	45 / 150	440	2.25	320
CFL1206C-R82□	820 / 35	J · K	45 / 150	420	1.82	400
CFL1206C-R91□	910 / 35	J · K	45 / 150	410	2.75	350
CFL1206C-1R0□	1000 / 35	J · K	45 / 150	400	2.80	320

Part Number	L(nH)/@MHz	Inductance tolerance	Q min /@MHz	SRF(MHz) min.	DCR ( $\Omega$ Max)	IDC(mA) (Max)
CFL1206C-1R2□	1200 / 35	J , K	45 / 150	380	3.20	300
CFL1206C-1R8□	1800 / 7.96	J , K	25 / 25.2	200	3.90	300

## GENERAL CHARACTERISTICS

1. Operating temperature range: -40 TO + 125°C(Includes temperature when the coil is heated)
2. External appearance: On visual inspection, the coil has no external defects.
3. Terminal strength: After soldering. Between copper plate and terminals of coil. Push in two directions of X.Y withstanding at below conditions.

Terminal should not peel off. (refer to figure at right) 0.5kg



4. Insulating resistance: Over 100MΩ at 100V D.C. between coil and core.
5. Dielectric strength: No dielectric breakdown at 100V D.C. for 1 minute between coil and core.
6. Temperature characteristics: Inductance coefficient (0~2,000)x10-6/ °C, 25~+80 °C.
7. Humidity characteristics(Moisture Resistance): Inductance deviation within ±5%, after 96 hours in 90~95% relative humidity at 40 ±2 °C and 10 hour drying under normal condition.
8. Vibration resistance: Inductance deviation within ±5%, after vibration for 1 hour. In each of three orientations at sweep vibration (10~55~10 Hz) with 1.5mm P-P amplitudes.
9. Shock resistance: Inductance deviation within ±5%, after being dropped once with 981m/s2 (100G) shock attitude upon a rubber block method shock testing machine, in three different orientations.
10. Resistance to Soldering Heat: 260 °C, 10 seconds(See attached recom...
11. Storage environment: Storage condition: Temperature Range: 10 °C ~ 35°C (Gen...  
Humidity Range: 50% ~ 80% RH (Generally: 65% ~ 75%) ; Transportation condition: Temperature Range: -35 °C ~ 85°C , Humidity Range: 50% ~ 95% RH
12. Use components within 12 months. If 12 months or more have elapsed, check solderability before use.
13. Reflow profile recommend:

Lead-free heat endurance test

Lead-free the recommended reflow condition

