

# SPECIFICATION OF FLCA SERIES

## FEATURES

1. High resistance to heat and humidity.
2. Resistance to mechanical shocks and pressure.
3. Accurate dimensions for automatically surface mounted.



## APPLICATIONS

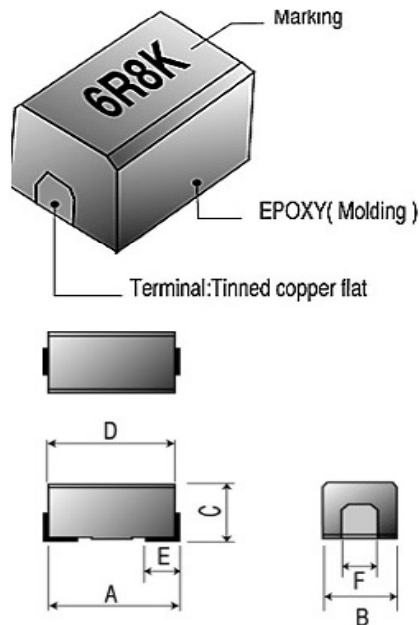
1. Computer products. (Hard Disk , Floppy Disks..Etc.)
2. Communication products. (like : Cordless Phone..Etc.)
3. Modems , OA products , TV set , VCRs..Etc.
4. Countermeasures for complying with CE , FCC VDE or VCCI radiated emissions.



## ORDERING CODE

**FLCA - 322522 - R12 M T**  
 (1) (2) (3) (4)(5)

- (1) PRODUCT SERIES CODE
- (2) SIZE CODE
- (3) INDUCTANCE
- (4) INDUCTANCE TOLERANCE  
 ( J : ±5%, K : ±10%, M : ±20%)
- (5) TAPING



## SHAPE & DIMENSIONS

UNIT:mm (inch)

SIZE CODE	A	B	C	D	E	F
FLCA-322522 (1210)	3.2±0.3 (0.126±0.012)	2.5±0.2 (0.098±0.008)	2.2±0.2 (0.087±0.008)	2.9±0.2 (0.114±0.008)	0.6 (0.024)	1.0 (0.040)
FLCA-453232 (1812)	4.5±0.3 (0.177±0.012)	3.2±0.2 (0.126±0.008)	3.2±0.2 (0.126±0.008)	4.2±0.2 (0.165±0.008)	1.0 (0.040)	1.2 (0.047)

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# WOUND CHIP INDUCTORS → FLCA-322522 SERIES

## ELECTRICAL CHARACTERISTICS

ORDERING CODE	Inductance ( $\mu$ H)	Q Min	Test Frequency (MHz)	Self Resonant Frequency (MHz)TYP	DC Resistance ( $\Omega$ )max	IDC (mA)max
FLCA-322522-R12□T	0.12	30	25.2	500	0.22	450
FLCA-322522-R15□T	0.15	30	25.2	450	0.25	450
FLCA-322522-R18□T	0.18	30	25.2	400	0.28	450
FLCA-322522-R22□T	0.22	30	25.2	350	0.32	450
FLCA-322522-R27□T	0.27	30	25.2	320	0.36	450
FLCA-322522-R33□T	0.33	30	25.2	300	0.40	450
FLCA-322522-R39□T	0.39	30	25.2	250	0.45	450
FLCA-322522-R47□T	0.47	30	25.2	220	0.50	450
FLCA-322522-R56□T	0.56	30	25.2	180	0.55	450
FLCA-322522-R68□T	0.68	30	25.2	160	0.60	450
FLCA-322522-R82□T	0.82	30	25.2	140	0.65	450
FLCA-322522-1R0□T	1.0	30	7.96	120	0.70	400
FLCA-322522-1R2□T	1.2	30	7.96	100	0.75	390
FLCA-322522-1R5□T	1.5	30	7.96	85	0.85	370
FLCA-322522-1R8□T	1.8	30	7.96	80	0.90	350
FLCA-322522-2R2□T	2.2	30	7.96	75	1.00	320
FLCA-322522-2R7□T	2.7	30	7.96	70	1.10	290
FLCA-322522-3R3□T	3.3	30	7.96	60	1.20	260
FLCA-322522-3R9□T	3.9	30	7.96	55	1.30	250
FLCA-322522-4R7□T	4.7	30	7.96	50	1.50	220
FLCA-322522-5R6□T	5.6	30	7.96	47	1.60	200
FLCA-322522-6R8□T	6.8	30	7.96	43	1.80	180
FLCA-322522-8R2□T	8.2	30	7.96	40	2.00	170
FLCA-322522-10□T	10	30	2.52	36	2.10	150
FLCA-322522-12□T	12	30	2.52	33	2.50	140
FLCA-322522-15□T	15	30	2.52	28	2.80	130
FLCA-322522-18□T	18	30	2.52	25	3.30	120
FLCA-322522-22□T	22	30	2.52	23	3.70	110
FLCA-322522-27□T	27	30	2.52	18	5.00	80
FLCA-322522-33□T	33	30	2.52	17	5.60	70
FLCA-322522-39□T	39	30	2.52	16	6.40	65
FLCA-322522-47□T	47	30	2.52	15	7.00	60
FLCA-322522-56□T	56	30	2.52	13	8.00	55
FLCA-322522-68□T	68	30	2.52	12	9.00	50
FLCA-322522-82□T	82	30	2.52	11	10.00	45
FLCA-322522-101□T	100	20	0.796	10	11.00	40

1. □ Means the inductance tolerance, J $\pm$ 5% K $\pm$ 10% M $\pm$ 20%
2. & Inductance drop less than 10% typ.
3. Operating temperature range : -40°C ~ +125°C (including self-heating)

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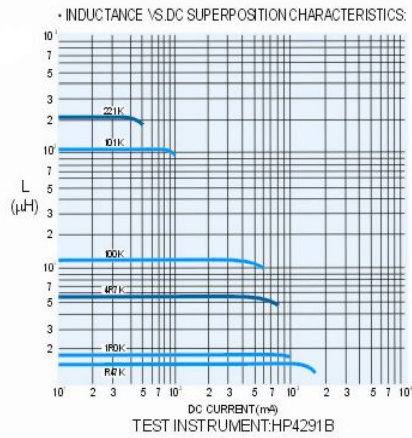
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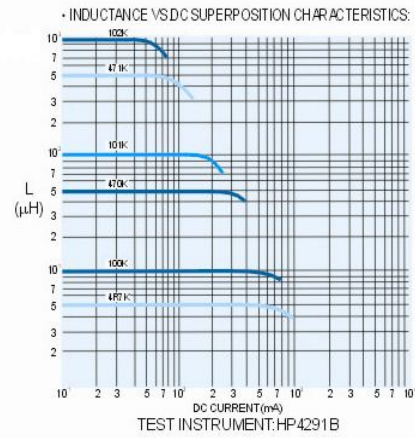
Web Site:http://www.kingcore.com.tw

# WOUND CHIP INDUCTORS → FLCA SERIES

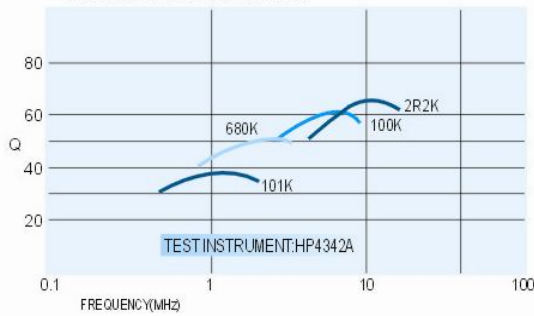
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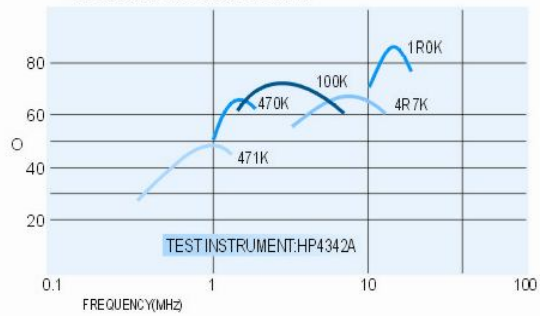
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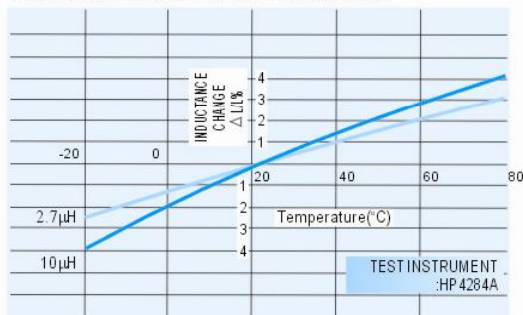
### • Q VS. FREQUENCY RESPONSE



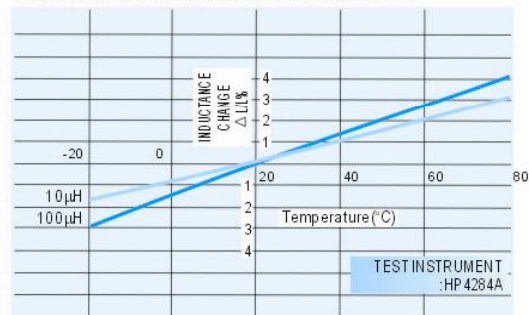
### • Q VS. FREQUENCY RESPONSE



### • INDUCTANCE vs. TEMPERATURE RESPONSE



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