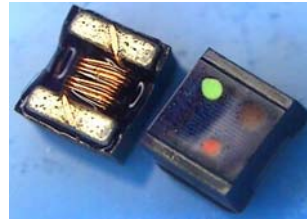


**LCF1008 -Series (1008) Ferrite type**

**FEATURES**

- Utilizing a miniaturized winding structure.
- These products provide low DC resistance and high current.
- Precision inductance tolerance is available.



**APPLICATIONS**

- Personal computers, Hard disk drives
- xDSL modem and Cable modem
- Digital camera and other electronic equipment



**PRODUCT IDENTIFICATION**

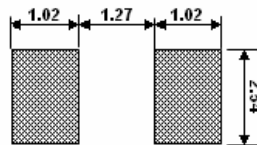
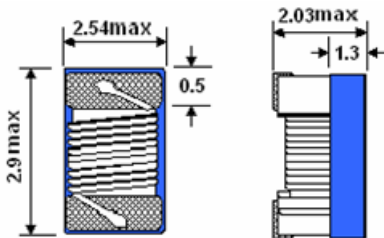
**LCF 1008 - 1R0 K - E**

(1) (2) (3) (4) (5)

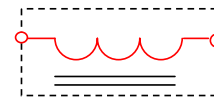
- (1) Product name
- (2) Dimension
- (3) Inductance: 1R0 : 1.0uH ; 100 : 10uH
- (4) Tolerance: J : ±5% ; K : ±10%
- (5) Lead free, Rohs compliant

**SHAPES AND DIMENSIONS (mm)**

**RECOMMENDED FOOTPRINT**



**Equivalent circuit**



**No Polarity**

## LCF1008- Series (1008)

Our Product Part Number	Inductance ( $\mu$ H)/MHz	Inductance tolerance	Q Min.	SRF(Min.) (MHz)	Rdc( $\Omega$ ) Max.	I <sub>rms</sub> (mA)	Color Coding		
							1st	2nd	3rd
LCF1008-1R0□-E	1.0/7.9	J.K	32/7.9	340	0.34	3000	Brown	Black	Red
LCF1008-1R5□-E	1.5/7.9	J.K	32/7.9	280	0.42	2560	Brown	Green	Red
LCF1008-2R2□-E	2.2/7.9	J.K	27/7.9	140	0.50	2200	Red	Red	Red
LCF1008-3R3□-E	3.3/7.9	J.K	27/7.9	125	0.60	1820	Orgnge	Orgnge	Red
LCF1008-4R7□-E	4.7/7.9	J.K	27/7.9	90	0.90	1500	Yellow	Violet	Red
LCF1008-6R8□-E	6.8/7.9	J.K	27/7.9	60	1.05	1250	Blue	Gray	Red
LCF1008-100□-E	10/2.5	J.K	23/2.5	55	1.55	900	Brown	Black	Orange
LCF1008-150□-E	15/2.5	J.K	23/2.5	36	2.38	820	Brown	Green	Orange
LCF1008-220□-E	22/2.5	J.K	23/2.5	29	2.92	680	Red	Red	Orange
LCF1008-330□-E	33/2.5	J.K	23/2.5	21	4.10	560	Orgnge	Orgnge	Orange
LCF1008-470□-E	47/2.5	J.K	23/2.5	17	7.80	450	Yellow	Violet	Orange

1. When ordering, please specify tolerance and packaging codes. Ex: LCF1008-100K-E

Tolerance : J =  $\pm$ 5% , K =  $\pm$ 10%

Packaging : Clear tape and reel { standard }. \*

2. L , Q : Agilent/HP E4991A+ Agilent/HP16197A

3. SRF : Agilent/E5071B / Agilent/HP E4991A

4.Rdc : DIGITAL MILLIOHM METER Chroma 16502, or equivalent.

5. I<sub>rms</sub> for a 15°C rise above 25°C ambient.

6.Operating temperature range from -25°C to 85°C.

\* Parts/Reel: 7" 2,000 Tape Width: 8mm



# LCF1008 Characteristics (L,Q vs. Frequency)

