

**LTF0805 -Series (0805)**

**FEATURES**

- Utilizing a miniaturized winding structure.
- These products provide low DC resistance and high current.
- This series is characteristic with its thin type structure.
- Low-profile series is used for customers' design.



**APPLICATIONS**

- Portable device such as PDA, mobile phone
- Digital camera and other electronic equipment



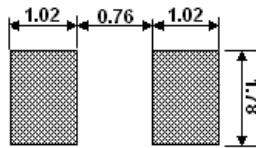
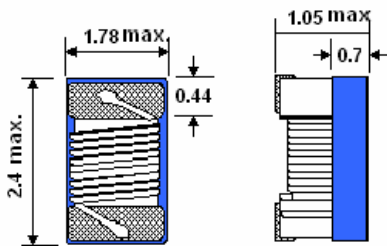
**PRODUCT IDENTIFICATION**

**LTF 0805 - 1R0 K - E**

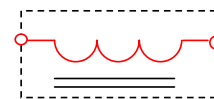
- (1) (2) (3) (4) (5)
- (1) Product name  
 (2) Dimension  
 (3) Inductance : 1R0 : 1.0uH ; 100 : 10uH  
 (4) Tolerance: J : ±5% ; K : ±10%  
 (5) E: Lead free RoHS compliant

**SHAPES AND DIMENSIONS (mm)**

**RECOMMENDED FOOTPRINT**



**Equivalent circuit**



**No Polarity**

**LTF0805- Series (0805)**

Our Product Part Number	Inductance (uH)/MHz	Inductance tolerance	Q Min.	SRF(Min.) (MHz)	Rdc(Ω) Max.	Irms(mA)	Color Coding
LTF0805-1R0□-E	1.0/7.9	J.K	19/7.9	470	0.850	1020	Black
LTF0805-1R2□-E	1.2/7.9	J.K	18/7.9	430	0.950	1000	Brown
LTF0805-1R5□-E	1.5/7.9	J.K	17/7.9	385	1.060	980	Red
LTF0805-1R8□-E	1.8/7.9	J.K	19/7.9	350	1.150	900	Orange
LTF0805-2R2□-E	2.2/7.9	J.K	17/7.9	270	1.260	860	Yellow
LTF0805-2R7□-E	2.7/7.9	J.K	19/7.9	230	1.400	840	Green
LTF0805-3R3□-E	3.3/7.9	J.K	19/7.9	185	1.550	800	Blue
LTF0805-3R9□-E	3.9/7.9	J.K	19/7.9	180	1.680	760	Violet
LTF0805-4R7□-E	4.7/7.9	J.K	20/7.9	160	1.850	700	Gray
LTF0805-5R6□-E	5.6/7.9	J.K	17/7.9	110	2.100	660	White
LTF0805-6R8□-E	6.8/7.9	J.K	16/7.9	45	2.200	620	Black
LTF0805-8R2□-E	8.2/7.9	J.K	17/7.9	36	2.450	580	Brown
LTF0805-100□-E	10/2.5	J.K	10/2.5	36	2.620	580	Red
LTF0805-120□-E	12/2.5	J.K	10/2.5	33	2.950	500	Orange
LTF0805-150□-E	15/2.5	J.K	10/2.5	31	5.200	400	Yellow
LTF0805-180□-E	18/2.5	G.J.K	10/2.5	23	5.700	380	Green
LTF0805-220□-E	22/2.5	G.J.K	10/2.5	21	8.300	320	Blue
LTF0805-270□-E	27/2.5	G.J.K	10/2.5	19	10.000	280	Violet
LTF0805-330□-E	33/2.5	G.J.K	10/2.5	17	14.000	250	Gray
LTF0805-390□-E	39/2.5	G.J.K	10/2.5	13	18.500	220	White

1. When ordering, please specify tolerance and packaging codes. Ex: LTF0805-100K-E

Tolerance : J = ±5% , K = ±10%

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

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

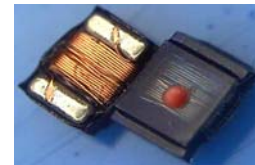
3. SRF : Agilent/E5071B / Agilent/HP E4991A

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

5. Irms 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



# LTF0805 Characteristics (L,Q vs. Frequency)

