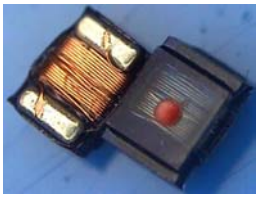
MTC

SMD Inductor for Low profile

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

Green Product
RoHS compliant

PRODUCT IDENTIFICATION

LTF 0805 - 1R0 K - T

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

(1) Product name

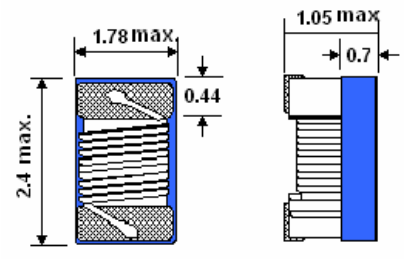
(2) Dimension

(3) Inductance : 1R0 : 1.0uH ; 100 : 10uH

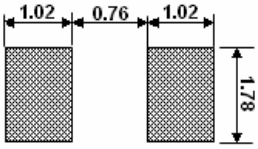
(4) Tolerance: J : ±5% ; K : ±10%

(5) Taping style : T : Taping ; None : Bulk

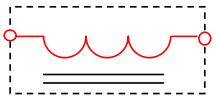
SHAPES AND DIMENSIONS (mm)



RECOMMENDED FOOTPRIN



Equivalent circuit



No Polarity

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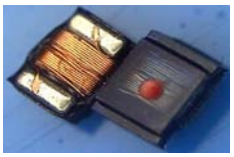
LDF0805- Series (0805)

Our Product Part Number	Inductance (uH)/MHz	Inductance tolerance	Q Min.	SRF(Min.) (MHz)	Rdc(Ω) Max.	Irms(mA)	Color Coding
LDF0805-1R0□-E	1.0/7.9	K.M	18/7.9	100	0.23	800	Black
LDF0805-1R5□-E	1.5/7.9	K.M	18/7.9	90	0.28	650	Brown
LDF0805-2R2□-E	2.2/7.9	K.M	18/7.9	70	0.34	550	Red
LDF0805-3R3□-E	3.3/7.9	K.M	18/7.9	55	0.44	450	Orange
LDF0805-4R7□-E	4.7/7.9	K.M	18/7.9	50	0.65	360	Yellow
LDF0805-6R8□-E	6.8/7.9	K.M	24/7.9	60	0.95	290	Green
LDF0805-100□-E	10/2.5	K.M	18/2.5	25	1.1	290	Blue
LDF0805-150□-E	15/2.5	K.M	18/2.5	25	2	230	Violet
LDF0805-220□-E	22/2.5	K.M	18/2.5	17	2.45	190	Gray
LDF0805-330□-E	33/2.5	K.M	17/2.5	15	3.04	120	White
LDF0805-470□-E	47/2.5	K.M	17/2.5	11	4.5	95	Black
LDF0805-680□-E	68/2.5	K.M	17/2.5	11	6.8	95	Brown
LDF0805-101□-E	100/1.0	K.M	12/1.0	9	10.5	70	Red

1. When ordering, please specify tolerance and packaging codes. Ex: LDF0805-100K-E
   Tolerance : K = ±10% , M = ±20%
   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℃ rise above 25℃ ambient.
6. Operating temperature range from -25℃ to 85℃.
   * Parts/Reel: 7" 2,000 Tape Width: 8mm

Green Product
RoHS compliant



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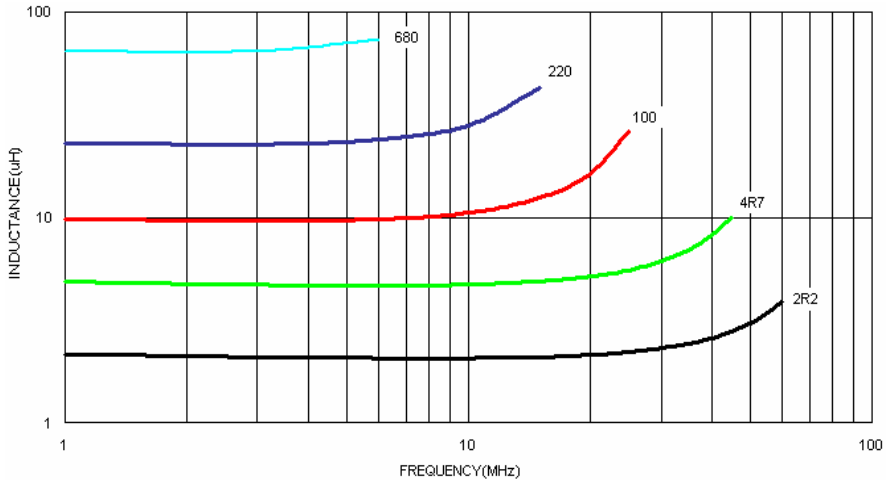
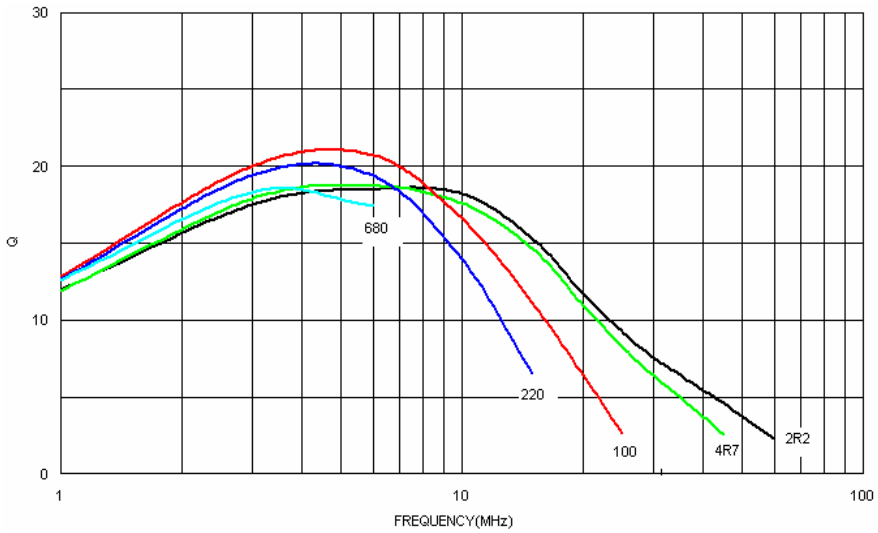
LDF0805 Characteristics (L,Q vs. Frequency)





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