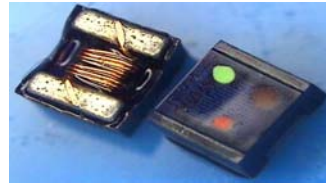


LSF1008 -Series (1008)

FEATURES

- Utilizing a miniaturized winding structure.
- These products provide high Q characteristics.
- Resin-coated surface enables excellent mounting.
- Low DC resistance design is ideal for low loss.
- Precision inductance tolerance is available.



APPLICATIONS

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



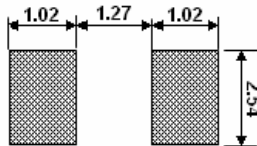
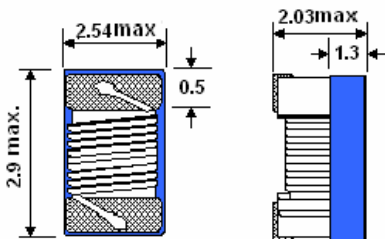
PRODUCT IDENTIFICATION

LSF 1008 - 1R0 J - E

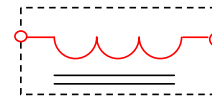
- (1) (2) (3) (4) (5)
- (1) Product name
 (2) Dimension
 (3) Inductance : 1R0 : 1.0uH ; 100 : 10uH
 (4) Tolerance: J : ±5% ; K : ±10%
 (5) E: Lead free RoHS compliant

SHAPES AND DIMENSIONS (mm)

RECOMMENDED FOOTPRINT



Equivalent circuit



No Polarity

LSF1008- Series (1008)

Our Product Part Number	Inductance (uH)/MHz	Inductance tolerance	Q Min.	SRF(Min.) (MHz)	Rdc(Ω) Max.	Irms(mA)	Color Coding		
							1st	2nd	3rd
LSF1008-1R0□-E	1/ 7.9	10.5	25/ 7.9	300	0.72	800	Brown	Black	Red
LSF1008-1R2□-E	1.2/ 7.9	10.5	28/ 7.9	280	0.74	800	Brown	Red	Red
LSF1008-1R5□-E	1.5/ 7.9	10.5	28/ 7.9	245	0.85	780	Brown	Green	Red
LSF1008-1R8□-E	1.8/ 7.9	10.5	25/ 7.9	240	0.92	780	Brown	Gray	Red
LSF1008-2R2□-E	2.2/ 7.9	10.5	25/ 7.9	205	0.99	760	Red	Red	Red
LSF1008-2R7□-E	2.7/ 7.9	10.5	25/ 7.9	187	1.02	760	Red	Violet	Red
LSF1008-3R3□-E	3.3/ 7.9	10.5	25/ 7.9	165	1.37	740	Orange	Orange	Red
LSF1008-3R9□-E	3.9/ 7.9	10.5	25/ 7.9	144	1.66	700	Orange	White	Red
LSF1008-4R7□-E	4.7/ 7.9	10.5	25/ 7.9	110	1.68	660	Yellow	Violet	Red
LSF1008-5R6□-E	5.6/ 7.9	10.5	25/ 7.9	88	1.75	640	Green	Blue	Red
LSF1008-6R8□-E	6.8/ 7.9	10.5	25/ 7.9	70	1.85	640	Blue	Gray	Red
LSF1008-8R2□-E	8.2/ 7.9	10.5	25/ 7.9	57	2	600	Gray	Red	Red
LSF1008-100□-E	10/ 7.9	10.5	15/ 7.9	55	2.32	600	Brown	Black	Orange
LSF1008-120□-E	12/ 2.5	10.5	15/ 2.5	52	2.99	560	Brown	Red	Orange
LSF1008-150□-E	15/ 2.5	10.5	15/ 2.5	49	3.42	480	Brown	Green	Orange
LSF1008-180□-E	18/ 2.5	10.5	15/ 2.5	48	4.65	420	Brown	Gray	Orange
LSF1008-220□-E	22/ 2.5	10.5	15/ 2.5	25	5.12	420	Red	Red	Orange
LSF1008-270□-E	27/ 2.5	10.5	15/ 2.5	23	5.76	420	Red	Violet	Orange
LSF1008-330□-E	33/ 2.5	10.5	15/ 2.5	17	6.44	400	Orange	Orange	Orange
LSF1008-390□-E	39/ 2.5	10.5	15/ 2.5	15	6.85	380	Orange	White	Orange
LSF1008-470□-E	47/ 2.5	10.5	14/ 2.5	13	9.94	340	Yellow	Violet	Orange
LSF1008-560□-E	56/ 2.5	10.5	14/ 2.5	10	10.7	280	Green	Blue	Orange
LSF1008-680□-E	68/ 2.5	10.5	14/ 2.5	8	12.8	260	Blue	Gray	Orange
LSF1008-820□-E	82/ 2.5	10.5	14/ 2.5	8	18.3	240	Gray	Red	Orange
LSF1008-101□-E	100/ 1.0	10.5	8/ 1.0	7	19.6	200	Brown	Black	Yellow

1. When ordering, please specify tolerance and packaging codes. Ex: LSF1008-100K-E

Tolerance : J = ±5% , K = ±10%

Packaging : Clear tape and reel { standard }. *

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

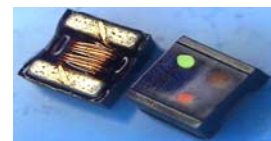
3. SRF : Agilent/E5071B / Agilent/HP E4991A

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



LSF1008 Characteristics (L,Q vs. Frequency)

