

FS1008

Ferrite Chip Inductor 1008 High L ($1.2\mu\text{H}$ - $10.00\mu\text{H}$)

Features

Leadless inductor wound on ferrite body.

High SRF, allow excellent operation in RFID 13.56 MHz, filters in GSM frequencies, DECT, cordless communications, wireless LANs, etc.

Operating temperature:

$-40\text{ }^{\circ}\text{C} \rightarrow +85\text{ }^{\circ}\text{C}$.

Storage temperature:

$-40\text{ }^{\circ}\text{C} \rightarrow +125\text{ }^{\circ}\text{C}$.

Low DCR and higher current ratings.

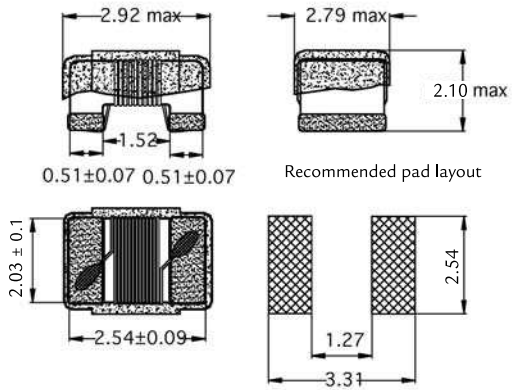
Resistance to solder heat $260\text{ }^{\circ}\text{C}$ 10 s.

Materials

1008 FS type in ferrite body.

Metallization: Ag+Ni+Sn100.

Dimensions



Product List

| Ordering code ² | L _r (μH) | Tolerance ¹ | Quality Factor Min. | Test Freq. (MHz) | | SRF Min. (MHz) | RDC (Ω) max. | IDC max. (mA) |
|----------------------------|---------------------|------------------------|---------------------|------------------|-----|----------------|--------------|---------------|
| | | | | L | Q | | | |
| FS1008-122+ | 1.2 @ 7.96 MHz | M,K,J | 48 | 7.9 | 50 | 210 | 0.68 | 650 |
| FS1008-152+ | 1.5 @ 7.96 MHz | M,K,J | 41 | 7.9 | 50 | 190 | 0.76 | 630 |
| FS1008-182+ | 1.8 @ 7.96 MHz | M,K,J | 39 | 7.9 | 50 | 170 | 0.84 | 600 |
| FS1008-222+ | 2.2 @ 7.96 MHz | M,K,J | 34 | 7.9 | 50 | 150 | 1.3 | 315 |
| FS1008-272+ | 2.7 @ 7.96 MHz | M,K,J | 34 | 7.9 | 50 | 125 | 1.4 | 300 |
| FS1008-332+ | 3.3 @ 7.96 MHz | M,K,J | 32 | 7.9 | 50 | 120 | 1.46 | 450 |
| FS1008-392+ | 3.9 @ 7.96 MHz | M,K,J | 32 | 7.9 | 7.9 | 105 | 1.56 | 420 |
| FS1008-472+ | 4.7 @ 7.96 MHz | M,K,J | 31 | 7.9 | 7.9 | 90 | 1.68 | 400 |
| FS1008-562+ | 5.6 @ 7.96 MHz | M,K,J | 15 | 7.9 | 7.9 | 50 | 1.90 | 190 |
| FS1008-682+ | 6.8 @ 7.96 MHz | M,K,J | 15 | 7.9 | 7.9 | 30 | 1.70 | 175 |
| FS1008-822+ | 8.2 @ 7.96 MHz | M,K,J | 15 | 7.9 | 7.9 | 30 | 2.20 | 160 |
| FS1008-103+ | 10 @ 2.52 MHz | M,K,J | 12 | 7.9 | 7.9 | 30 | 2.50 | 155 |

1. Closer tolerances upon request.

2. Replace the + by the code letter for the required inductance tolerance (G=2%, J=5%, K=10%, M=20%).