

# 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.

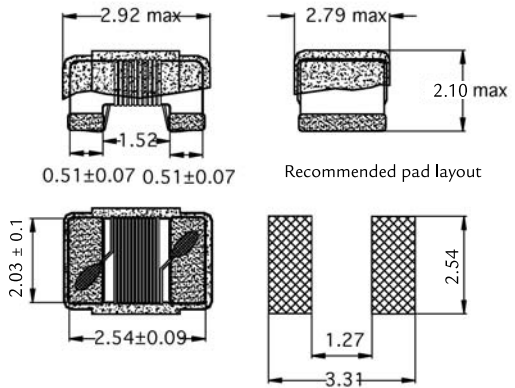
Resistance to solder heat  $260\text{ }^{\circ}\text{C}$  10 s.

### Materials

1008 FS type in ferrite body.

Metallization: Ag+Ni+Sn100.

### Dimensions



### Product List

Ordering code <sup>2</sup>	L <sub>r</sub> (μH)	Tolerance <sup>1</sup>	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%).