

## CT1008LDLSF Series

From 0.9 $\mu$ H to 10 $\mu$ H



### CHARACTERISTICS

**Description:** SMD ferrite core wire-wound chip inductor. Low DC resistance.

**Applications:** LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment.

**Operating Temperature:** -25°C to 105°C (including self-temperature rise)

**IDC:** For inductance drop 10% from its value with current.

**I<sub>rms</sub>:** For a 40°C temperature rise from 25°C ambient with current.

**Inductance Tolerance:**  $\pm 5\%$  &  $\pm 10\%$

**Testing:** Inductance and Q are tested on an Agilent E4991A/HP4287A+16197A

**Packaging:** Tape & Reel.

**Miscellaneous:** RoHS Compliant.

**Additional Information:** Additional electrical & physical information available upon request

**Samples available. See website for ordering information.**

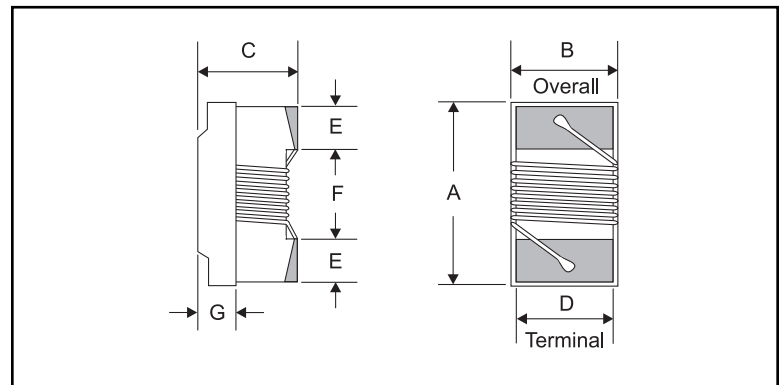
### SPECIFICATIONS

Please specify tolerance code when ordering.  
CT1008LDLSF-1R3\_ ← J =  $\pm 5\%$ , K =  $\pm 10\%$

Part Number	Ind. ( $\mu$ H)	Test Freq. (MHz)	Q Fact. Typ.	SRF Min. (MHz)	DCR Max. ( $\Omega$ )	IDC Typ. (mA)	I <sub>rms</sub> Max. (mA)	Tol. (%)
CT1008LDLSF-R90K	0.9	2.5	25	300	0.1	1400	1300	10
CT1008LDLSF-1R1K	1.1	2.5	24	275	0.105	1300	1200	10
CT1008LDLSF-1R3_	1.3	2.5	24	220	0.11	1200	1100	5 / 10
CT1008LDLSF-1R5_	1.5	2.5	22	210	0.125	1100	1000	5 / 10
CT1008LDLSF-1R9_	1.9	2.5	22	165	0.14	1000	1000	5 / 10
CT1008LDLSF-2R2_	2.2	2.5	21	75	0.155	950	950	5 / 10
CT1008LDLSF-2R7_	2.7	2.5	22	57	0.19	800	900	5 / 10
CT1008LDLSF-3R3_	3.3	2.5	21	54	0.21	750	800	5 / 10
CT1008LDLSF-3R9_	3.9	2.5	21	50	0.22	700	800	5 / 10
CT1008LDLSF-4R7_	4.7	2.5	27	48	0.435	700	650	5 / 10
CT1008LDLSF-5R8_	5.8	2.5	21	33	0.28	550	750	5 / 10
CT1008LDLSF-6R8_	6.8	2.5	20	28	0.315	500	700	5 / 10
CT1008LDLSF-8R2_	8.2	2.5	20	24	0.395	500	650	5 / 10
CT1008LDLSF-100_	10	2.5	22	20	0.48	450	550	5 / 10

### PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D	E	F	G
mm	2.99	2.50	2.20	2.03	0.51	1.52	0.70
inches	0.118	0.098	0.087	0.080	0.020	0.060	0.028



### PAD LAYOUT

