

## CT0805LDLSF Series

From 1.0 $\mu$ H to 100 $\mu$ 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.

**Inductance Tolerance:**  $\pm 10\%$  &  $\pm 20\%$

**Testing:** Inductance and Q are tested on an Agilent E4991A+ Agilent HP16197A (over 1MHz)/Agilent HP4285A (under 1MHz)

**Packaging:** Tape & Reel.

**Miscellaneous:** RoHS Compliant.

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

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

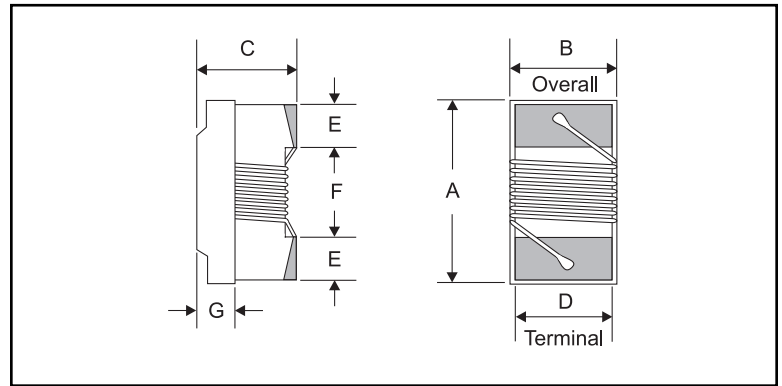
### SPECIFICATIONS

Please specify tolerance code when ordering.  
CT0805LDLSF-1R0\_  $\leftarrow$  K =  $\pm 10\%$ , M =  $\pm 20\%$

Part Number	Inductance ( $\mu$ H)	Test Freq. (MHz)	Q Fact. Typ.	SRF Min. (MHz)	DCR $\pm 30\%$ ( $\Omega$ )	IDC Max. (mA)	Tol. (%)
CT0805LDLSF-1R0_	1.0	7.96	18	100	0.10	800	10 / 20
CT0805LDLSF-1R5_	1.5	7.96	18	90	0.18	650	10 / 20
CT0805LDLSF-2R2_	2.2	7.96	18	70	0.24	550	10 / 20
CT0805LDLSF-3R3_	3.3	7.96	18	55	0.30	450	10 / 20
CT0805LDLSF-4R7_	4.7	7.96	18	50	0.47	360	10 / 20
CT0805LDLSF-6R8_	6.8	7.96	24	60	0.75	290	10 / 20
CT0805LDLSF-100_	10	2.52	18	25	0.90	290	10 / 20
CT0805LDLSF-150_	15	2.52	18	25	1.60	230	10 / 20
CT0805LDLSF-220_	22	2.52	18	17	1.95	190	10 / 20
CT0805LDLSF-330_	33	2.52	17	15	2.60	120	10 / 20
CT0805LDLSF-470_	47	2.52	17	11	3.90	95	10 / 20
CT0805LDLSF-680_	68	2.52	17	11	5.50	95	10 / 20
CT0805LDLSF-101_	100	1.00	12	9	9.00	70	10 / 20

### PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D	E	F	G
mm	2.4	1.72	1.52	1.27	0.50	1.00	0.70
inches	0.094	0.068	0.060	0.050	0.020	0.039	0.028



### PAD LAYOUT

