

CT0805LDLSF Series

From 1.0 μ H to 100 μ 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.

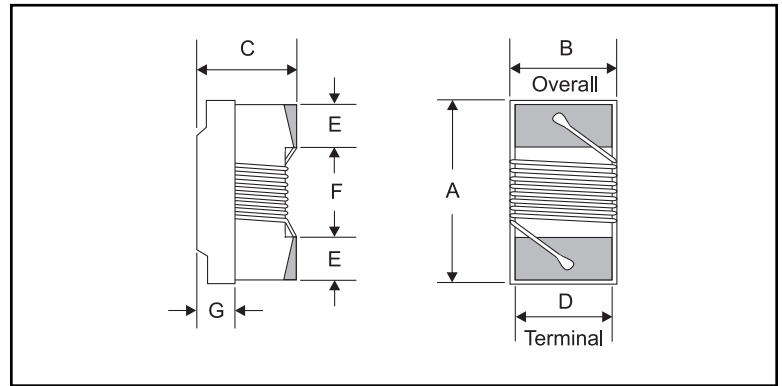
SPECIFICATIONS

Please specify tolerance code when ordering.
CT0805LDLSF-1R0_ \leftarrow K = $\pm 10\%$, M = $\pm 20\%$

Part Number	Inductance (μ H)	Test Freq. (MHz)	Q Fact. Typ.	SRF Min. (MHz)	DCR $\pm 30\%$ (Ω)	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

