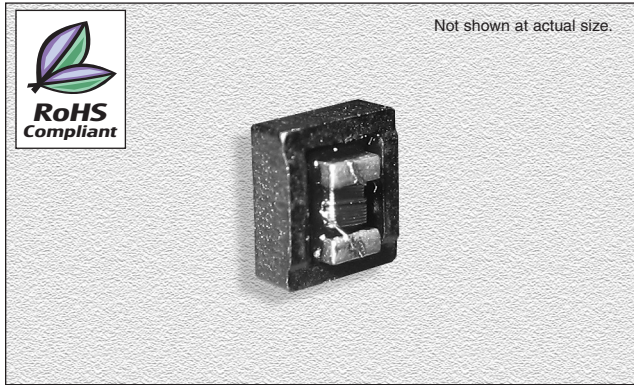


CT0805PSF Series

From 1.0 μH to 330 μH



SPECIFICATIONS

Parts are available $\pm 20\%$ tolerance only.

*Isat: DC current at which the inductance drops 10% Typ. from its value without current.

**Irms: Average current for 40°C temp. rise from 25°C ambient.

Part Number	Inductance ($\mu\text{H} \pm 20\%$)	L Test Freq. (kHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Typ. (MHz)	DCR Max. (Ω)	*Isat (A)	**Irms (A)
CT0805PSF-102M	1.0	100	21	1.0	340	0.14	0.90	1.60
CT0805PSF-152M	1.5	100	21	1.0	265	0.18	0.85	1.30
CT0805PSF-272M	2.7	100	21	1.0	190	0.33	0.60	0.88
CT0805PSF-332M	3.3	100	21	1.0	180	0.46	0.55	0.70
CT0805PSF-392M	3.9	100	15	1.0	165	0.72	0.50	0.61
CT0805PSF-472M	4.7	100	21	1.0	155	0.81	0.43	0.59
CT0805PSF-562M	5.6	100	21	1.0	143	0.91	0.38	0.57
CT0805PSF-682M	6.8	100	21	1.0	118	1.26	0.32	0.46
CT0805PSF-103M	10	100	21	1.0	66	1.45	0.27	0.43
CT0805PSF-153M	15	100	21	1.0	34	1.90	0.22	0.34
CT0805PSF-223M	22	100	25	1.0	22	2.48	0.18	0.33
CT0805PSF-333M	33	100	25	1.0	17	3.00	0.16	0.28
CT0805PSF-473M	47	100	25	1.0	15	3.85	0.15	0.26
CT0805PSF-683M	68	100	28	1.0	12	4.42	0.12	0.24
CT0805PSF-823M	82	100	30	1.0	12	6.00	0.11	0.21
CT0805PSF-104M	100	100	32	1.0	9.0	6.45	0.10	0.19
CT0805PSF-124M	120	100	32	1.0	7.7	7.12	0.10	0.18
CT0805PSF-154M	150	100	32	1.0	5.0	7.70	0.08	0.18
CT0805PSF-224M	220	100	32	1.0	5.0	12.0	0.07	0.14
CT0805PSF-334M	330	100	32	1.0	3.5	18.9	0.06	0.11

CHARACTERISTICS

Description: SMD shielded wire-wound chip inductor

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: -40°C to $+105^{\circ}\text{C}$

Inductance Tolerance: $\pm 20\%$

Testing: Inductance and Q tested on an HP4285A at specified frequency.

Packaging: Tape & Reel

Miscellaneous: RoHS Compliant.

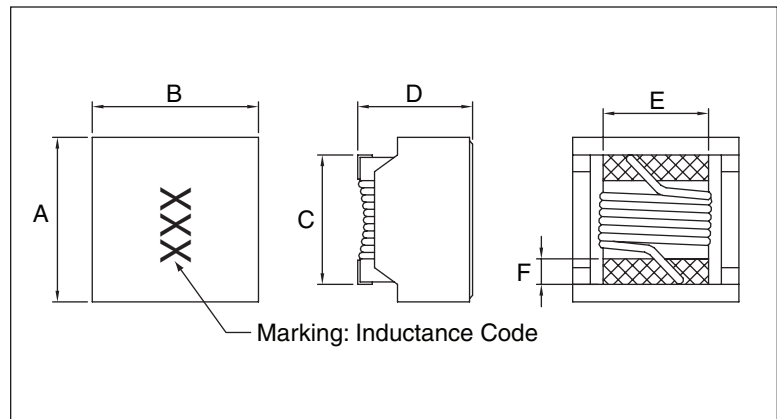
Marking: Parts are marked with inductance code

Additional Information: Additional electrical & physical information available upon request

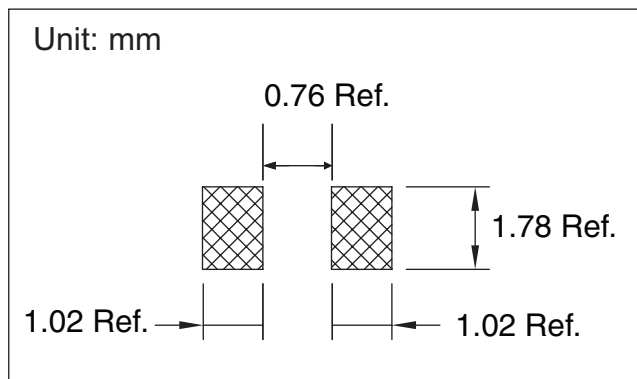
Samples available. See website for ordering information.

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Ref.	D Max.	E Ref.	F Ref.
mm	3.38	3.0	2.03	2.00	1.27	0.51
inches	0.133	0.118	0.080	0.079	0.050	0.020



PAD LAYOUT



09.06.07