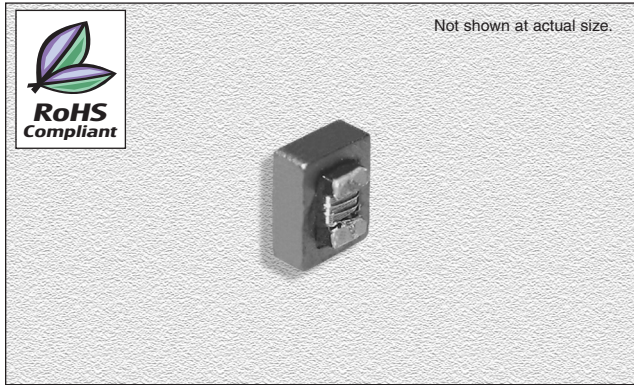


CT0603PSF Series

From .78 μH to 47 μH



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°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.

SPECIFICATIONS

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

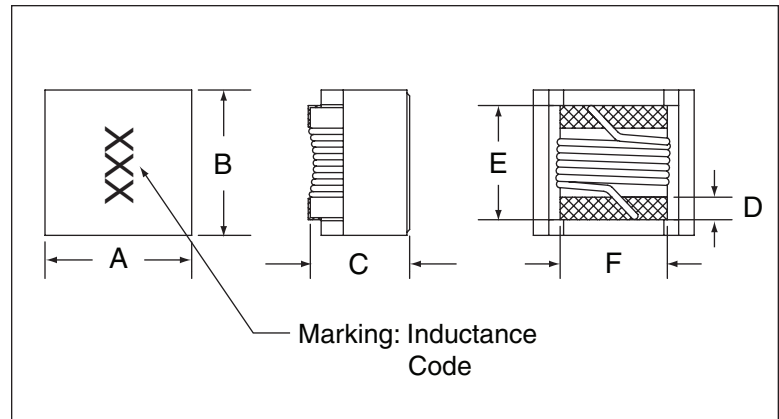
*Isat: DC current at which the inductance drops 10% Typ. from its value without current.

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

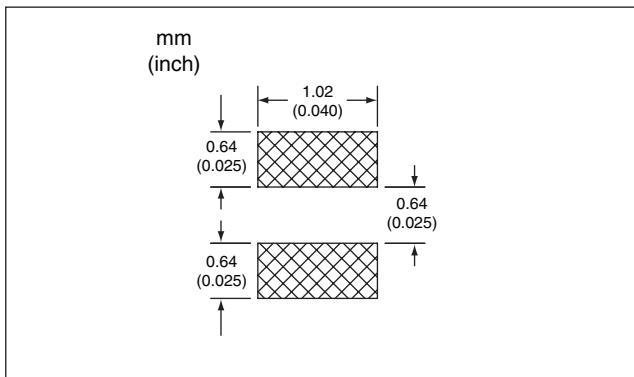
Part Number	Inductance ($\mu\text{H} \pm 20\%$)	L Test Freq. (kHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Typ. (MHz)	DCR Max. (Ω)	*Isat (A)	**Irms (A)
CT0603PSF-781M	.78	100	15	1.0	475	0.24	0.55	1.30
CT0603PSF-102M	1.0	100	15	1.0	390	0.26	0.40	1.00
CT0603PSF-182M	1.8	100	15	1.0	155	0.56	0.39	0.70
CT0603PSF-222M	2.2	100	15	1.0	245	0.75	0.33	0.60
CT0603PSF-272M	2.7	100	15	1.0	127	0.75	0.33	0.55
CT0603PSF-332M	3.3	100	15	1.0	72	0.88	0.32	0.50
CT0603PSF-392M	3.9	100	15	1.0	72	1.00	0.27	0.48
CT0603PSF-472M	4.7	100	15	1.0	64	1.08	0.26	0.47
CT0603PSF-562M	5.6	100	15	1.0	51	1.18	0.23	0.41
CT0603PSF-682M	6.8	100	15	1.0	39	1.23	0.23	0.40
CT0603PSF-822M	8.2	100	20	1.0	30	1.43	0.22	0.39
CT0603PSF-103M	10	100	20	1.0	20	1.60	0.21	0.38
CT0603PSF-153M	15	100	20	1.0	12	1.92	0.16	0.35
CT0603PSF-223M	22	100	20	1.0	16	2.96	0.13	0.27
CT0603PSF-333M	33	100	20	1.0	12	5.63	0.10	0.20
CT0603PSF-473M	47	100	20	1.0	12	5.69	0.10	0.18

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D Ref.	E Ref.	F Ref.
mm	2.59	2.08	1.8	0.33	1.52	0.76
inches	0.10	0.08	0.07	0.013	0.06	0.03



PAD LAYOUT



08.08.07