CTSR0906F Series

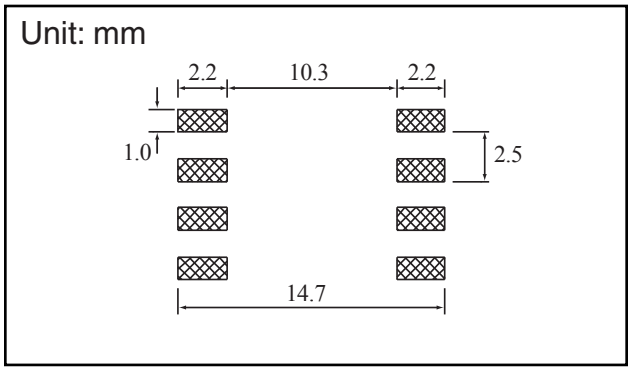
From 2.7 µH to 10,000 µH



CHARACTERISTICS

Description: SMD shielded power inductor.
Applications: Input/output of DC/DC converters, power supplies for portable communication equipment, camcorders, LCD TVs, car radios, etc.
Operating Temperature: -40°C to +105°C
Temperature Rise: 40°C Max.
Rated Current: Based on temp. rise & ΔL / L0A = 10% Max.
Resistance to Solder Heat: 245°C, 10 seconds.
Inductance Tolerance: ±15%, ±20%
Testing: Inductance is tested on an HP4284A at 1.0KHz.
Packaging: Tape & Reel.
Marking: Parts are marked with inductance code.
Miscellaneous: RoHS Compliant.
Additional Information: Additional electrical & physical information available upon request.
Samples available. See website for ordering information.

PAD LAYOUT



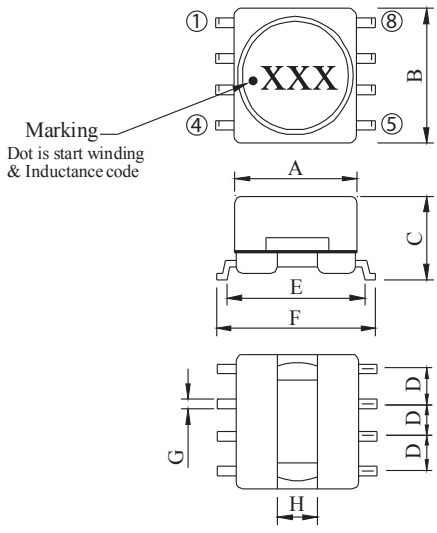
SPECIFICATIONS

Part numbers indicate inductance tolerance available.
L = ±15%, M = ±20%

Part Number	Inductance (µH)	L Test Freq. (KHz)	Q Ref.	Q Test Freq. (_Hz)	SRF (MHz) Nom.	DCR (Ω) Max.	IDC (A) Max.
CTSR0906F-2R7M	2.7	1.0	23	7.96M	85	0.032	3.20
CTSR0906F-3R5M	3.5	1.0	23	7.96M	80	0.036	2.90
CTSR0906F-4R7M	4.7	1.0	23	7.96M	70	0.040	2.70
CTSR0906F-5R6M	5.6	1.0	23	7.96M	57	0.046	2.50
CTSR0906F-6R8M	6.8	1.0	23	7.96M	38	0.050	2.30
CTSR0906F-8R2M	8.2	1.0	23	7.96M	30	0.055	2.10
CTSR0906F-100M	10	1.0	35	2.52M	29	0.080	1.80
CTSR0906F-120M	12	1.0	35	2.52M	26	0.085	1.70
CTSR0906F-150M	15	1.0	35	2.52M	29	0.100	1.60
CTSR0906F-180M	18	1.0	35	2.52M	22	0.110	1.50
CTSR0906F-220M	22	1.0	35	2.52M	19	0.130	1.40
CTSR0906F-270M	27	1.0	35	2.52M	17	0.140	1.30
CTSR0906F-330M	33	1.0	35	2.52M	15	0.150	1.20
CTSR0906F-390M	39	1.0	35	2.52M	14	0.160	1.10
CTSR0906F-470M	47	1.0	35	2.52M	12	0.180	1.00
CTSR0906F-560M	56	1.0	35	2.52M	12	0.300	0.93
CTSR0906F-680M	68	1.0	40	2.52M	9.0	0.350	0.85
CTSR0906F-820M	82	1.0	40	2.52M	8.0	0.370	0.78
CTSR0906F-101L	100	1.0	40	0.796M	7.5	0.420	0.70
CTSR0906F-121L	120	1.0	40	0.796M	7.0	0.480	0.65
CTSR0906F-151L	150	1.0	40	0.796M	6.0	0.550	0.60
CTSR0906F-181L	180	1.0	40	0.796M	5.5	0.820	0.52
CTSR0906F-221L	220	1.0	40	0.796M	5.0	1.00	0.48
CTSR0906F-271L	270	1.0	40	0.796M	5.0	1.10	0.44
CTSR0906F-331L	330	1.0	40	0.796M	4.5	1.30	0.40
CTSR0906F-391L	390	1.0	40	0.796M	4.2	1.40	0.38
CTSR0906F-471L	470	1.0	40	0.796M	4.0	1.60	0.35
CTSR0906F-561L	560	1.0	60	0.796M	3.2	2.70	0.28
CTSR0906F-681L	680	1.0	60	0.796M	2.7	3.20	0.25
CTSR0906F-821L	820	1.0	85	0.796M	2.6	3.50	0.23
CTSR0906F-102L	1000	1.0	100	0.252M	2.3	4.00	0.22
CTSR0906F-122L	1200	1.0	100	0.252M	2.3	4.40	0.20
CTSR0906F-152L	1500	1.0	100	0.252M	2.0	5.20	0.18
CTSR0906F-182L	1800	1.0	100	0.252M	1.7	7.00	0.17
CTSR0906F-222L	2200	1.0	100	0.252M	1.5	8.50	0.16
CTSR0906F-272L	2700	1.0	100	0.252M	1.4	9.20	0.14
CTSR0906F-332L	3300	1.0	100	0.252M	1.3	11.0	0.12
CTSR0906F-392L	3900	1.0	100	0.252M	1.2	16.0	0.11
CTSR0906F-472L	4700	1.0	100	0.252M	1.0	19.0	0.10
CTSR0906F-562L	5600	1.0	100	0.252M	0.9	21.0	0.09
CTSR0906F-682L	6800	1.0	100	0.252M	0.9	24.0	0.09
CTSR0906F-822L	8200	1.0	100	0.252M	0.8	31.0	0.08
CTSR0906F-103L	10000	1.0	100	79.60K	0.7	38.0	0.07

PHYSICAL DIMENSIONS

Size	A	B Max.	C	D	E	F	G Typ.	H
mm	9.5±0.3	10.5	6.0±0.3	2.5±0.3	11.0±0.5	12.7±0.8	0.6	3.0
inches	0.37±0.012	0.41	0.24±0.012	0.10±0.012	0.43±0.020	0.50±0.031	0.024	0.12



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