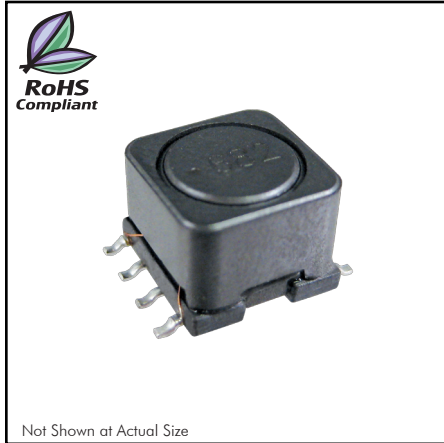


CTSR0908F Series

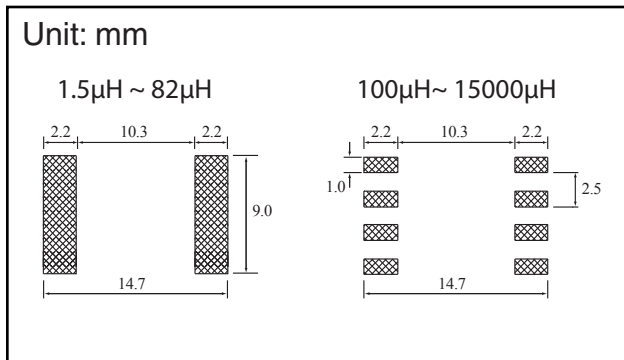
From 1.5 μH to 15,000 μH



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 & $\Delta L / L_0A = 10\%$ Max.
- Resistance to Solder Heat:** 245°C, 10 seconds.
- Inductance Tolerance:** $\pm 15\%$, $\pm 20\%$
- 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 = $\pm 15\%$, M = $\pm 20\%$

Part Number	Inductance (μH)	L Test Freq. (KHz)	Q Nom.	Q Test Freq. (Hz)	SRF (MHz) Nom.	DCR (Ω) Max.	IDC (mA) Max.
CTSR0908F-1R5M	1.5	1.0	20	7.96M	65.0	0.014	5600
CTSR0908F-2R7M	2.7	1.0	20	7.96M	50.0	0.019	4800
CTSR0908F-3R9M	3.9	1.0	20	7.96M	35.0	0.021	4400
CTSR0908F-5R6M	5.6	1.0	18	7.96M	25.0	0.027	3800
CTSR0908F-7R5M	7.5	1.0	18	7.96M	15.0	0.032	3400
CTSR0908F-100M	10	1.0	33	2.52M	11.0	0.040	3000
CTSR0908F-120M	12	1.0	40	2.52M	11.0	0.050	2500
CTSR0908F-150M	15	1.0	45	2.52M	8.5	0.065	2200
CTSR0908F-180M	18	1.0	40	2.52M	8.5	0.075	2000
CTSR0908F-220M	22	1.0	35	2.52M	6.0	0.080	1900
CTSR0908F-270M	27	1.0	45	2.52M	6.0	0.090	1800
CTSR0908F-330M	33	1.0	40	2.52M	5.0	0.100	1700
CTSR0908F-390M	39	1.0	45	2.52M	5.0	0.135	1500
CTSR0908F-470M	47	1.0	40	2.52M	4.0	0.150	1400
CTSR0908F-560M	56	1.0	35	2.52M	3.0	0.165	1350
CTSR0908F-680M	68	1.0	30	2.52M	2.5	0.184	1250
CTSR0908F-820M	82	1.0	30	2.52M	2.4	0.260	1050
CTSR0908F-101L	100	1.0	40	0.796M	6.0	0.280	1000
CTSR0908F-121L	120	1.0	42	0.796M	5.7	0.340	900
CTSR0908F-151L	150	1.0	45	0.796M	4.6	0.450	800
CTSR0908F-181L	180	1.0	35	0.796M	4.2	0.500	700
CTSR0908F-221L	220	1.0	35	0.796M	3.8	0.600	650
CTSR0908F-271L	270	1.0	30	0.796M	3.4	0.700	600
CTSR0908F-331L	330	1.0	30	0.796M	3.0	0.800	550
CTSR0908F-391L	390	1.0	33	0.796M	2.6	1.00	500
CTSR0908F-471L	470	1.0	30	0.796M	2.3	1.15	450
CTSR0908F-561L	560	1.0	35	0.796M	2.2	1.50	380
CTSR0908F-681L	680	1.0	30	0.796M	2.0	1.70	350
CTSR0908F-821L	820	1.0	35	0.796M	1.9	2.20	320
CTSR0908F-102L	1000	1.0	85	0.252M	1.8	2.50	300
CTSR0908F-152L	1500	1.0	120	0.252M	1.3	4.00	250
CTSR0908F-222L	2200	1.0	95	0.252M	1.0	5.00	200
CTSR0908F-332L	3300	1.0	95	0.252M	0.9	8.00	150
CTSR0908F-472L	4700	1.0	90	0.252M	0.8	12.0	120
CTSR0908F-682L	6800	1.0	90	0.252M	0.6	16.5	100
CTSR0908F-822L	8200	1.0	85	0.252M	0.5	24.0	97
CTSR0908F-103L	10000	1.0	110	79.60K	0.5	26.0	95
CTSR0908F-153L	15000	1.0	130	79.60K	0.4	40.0	75

PHYSICAL DIMENSIONS

Size	A	B Max.	C	D	E	F	G Typ.	H
mm	9.5 \pm 0.3	10.5	7.5 \pm 0.3	2.5 \pm 0.3	11.0 \pm 0.5	12.7 \pm 0.8	0.6	3.0
inches	0.37 \pm 0.012	0.41	0.29 \pm 0.012	0.10 \pm 0.012	0.43 \pm 0.020	0.50 \pm 0.031	0.024	0.12

