

CTSR1260F Series

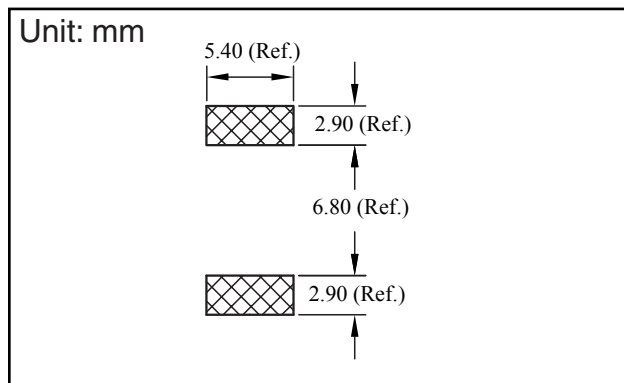
From 1.0 μ H to 1000 μ H



CHARACTERISTICS

- Description:** SMD (shielded) power inductors
- Applications:** LCD panels, PC notebooks, Portable communication equipment, DC/DC converters, etc.
- Operating Temperature:** -40°C to +125°C (including self-temperature rise)
- Storage Temperature:** -40°C to +125°C
- Inductance tolerance:** N = $\pm 30\%$, M = $\pm 20\%$, K = $\pm 10\%$
- Inductance Testing:** 100kHz/0.1V (1R0N-8R2N), 1kHz/1V (100M-102K)
- Irms:** Based on temperature rise 40°C typ.
- Isat:** Based on $\Delta L/L0A=25\%$ typ.
- Resistance to solder heat:** 260°C, 10 seconds
- Marking:** Parts marked with inductance code
- Packaging:** Tape and Reel
- Miscellaneous:** RoHS compliant
- Samples available:** See website for ordering information

PAD LAYOUT



SPECIFICATIONS

Part numbers indicate inductance tolerance available.
K = $\pm 10\%$, M = $\pm 20\%$, N = $\pm 30\%$

Part Number	Inductance (μ H)	Q. Ref.	Q Test Freq. (MHz)	SRF Typ. (MHz)	DCR Max. (m Ω)	Irms Typ. (A)	Isat Typ. (A)
CTSR1260F-1R0N	1.0	26	7.96	100.00	7.8	9.40	10.00
CTSR1260F-1R2N	1.2	18	7.96	91.10	8.0	9.20	9.80
CTSR1260F-1R5N	1.5	24	7.96	86.00	9.5	8.80	9.00
CTSR1260F-2R2N	2.2	22	7.96	70.00	10.5	8.20	8.50
CTSR1260F-2R4N	2.4	18	7.96	63.80	11.5	7.80	8.00
CTSR1260F-3R3N	3.3	20	7.96	40.00	12.0	7.60	7.80
CTSR1260F-3R5N	3.5	22	7.96	37.60	13.0	7.50	7.60
CTSR1260F-4R7N	4.7	19	7.96	36.70	15.5	6.80	7.00
CTSR1260F-5R6N	5.6	19	7.96	33.00	16.2	6.70	6.90
CTSR1260F-6R1N	6.1	21	7.96	29.80	17.0	6.60	6.80
CTSR1260F-6R8N	6.8	20	7.96	28.20	18.0	6.30	6.50
CTSR1260F-7R6N	7.6	16	7.96	27.90	19.0	6.00	6.20
CTSR1260F-8R2N	8.2	18	7.96	24.00	19.5	5.70	5.80
CTSR1260F-100M	10	32	2.52	21.00	20.0	5.50	5.50
CTSR1260F-120M	12	27	2.52	19.40	23.0	5.20	5.00
CTSR1260F-150M	15	25	2.52	17.60	27.0	5.00	4.60
CTSR1260F-180M	18	28	2.52	15.50	36.0	4.20	3.90
CTSR1260F-220M	22	29	2.52	13.40	43.0	4.00	3.70
CTSR1260F-270M	27	26	2.52	12.70	45.0	3.60	3.30
CTSR1260F-330M	33	27	2.52	9.97	60.0	3.00	2.80
CTSR1260F-390M	39	22	2.52	10.40	70.0	2.80	2.70
CTSR1260F-470M	47	22	2.52	7.63	86.0	2.60	2.50
CTSR1260F-560M	56	24	2.52	7.92	100.0	2.30	2.20
CTSR1260F-680M	68	22	2.52	7.43	110.0	2.10	2.10
CTSR1260F-820M	82	25	2.52	6.85	145.0	1.95	1.90
CTSR1260F-101M	100	26	0.796	6.07	180.0	1.70	1.70
CTSR1260F-121K	120	26	0.796	5.50	210.0	1.65	1.65
CTSR1260F-151K	150	20	0.796	5.00	260.0	1.55	1.55
CTSR1260F-181K	180	26	0.796	4.50	320.0	1.40	1.40
CTSR1260F-221K	220	22	0.796	4.20	380.0	1.38	1.30
CTSR1260F-271K	270	20	0.796	3.60	450.0	1.30	1.20
CTSR1260F-331K	330	22	0.796	3.20	580.0	1.15	1.10
CTSR1260F-391K	390	20	0.796	2.80	700.0	1.08	1.00
CTSR1260F-471K	470	18	0.796	2.60	820.0	0.95	0.90
CTSR1260F-561K	560	22	0.796	2.40	1000.0	0.88	0.80
CTSR1260F-681K	680	18	0.796	2.20	1150.0	0.80	0.75
CTSR1260F-821K	820	20	0.796	2.00	1500.0	0.73	0.63
CTSR1260F-102K	1000	30	0.252	1.80	1700.0	0.68	0.60

PHYSICAL DIMENSIONS

Size	A	B	C	D	E Typ.	I
mm	12.50 \pm 0.3	12.50 \pm 0.3	6.00 \pm 0.5	5.00 \pm 0.3	7.00	2.50 \pm 0.15
inches	0.492 \pm 0.012	0.492 \pm 0.012	0.236 \pm 0.020	0.20 \pm 0.012	0.28	0.10 \pm 0.006

