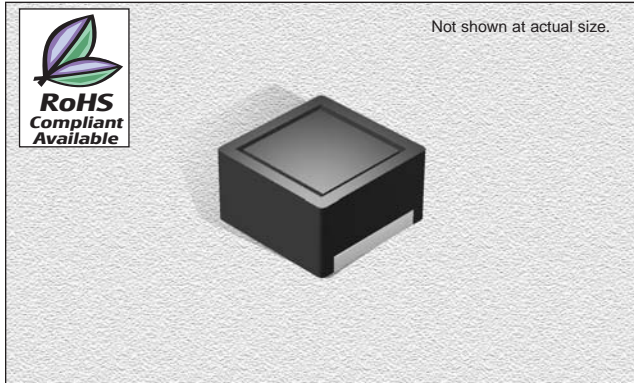


CTLQH3KS Series

From 1.0 μH to 2200 μH



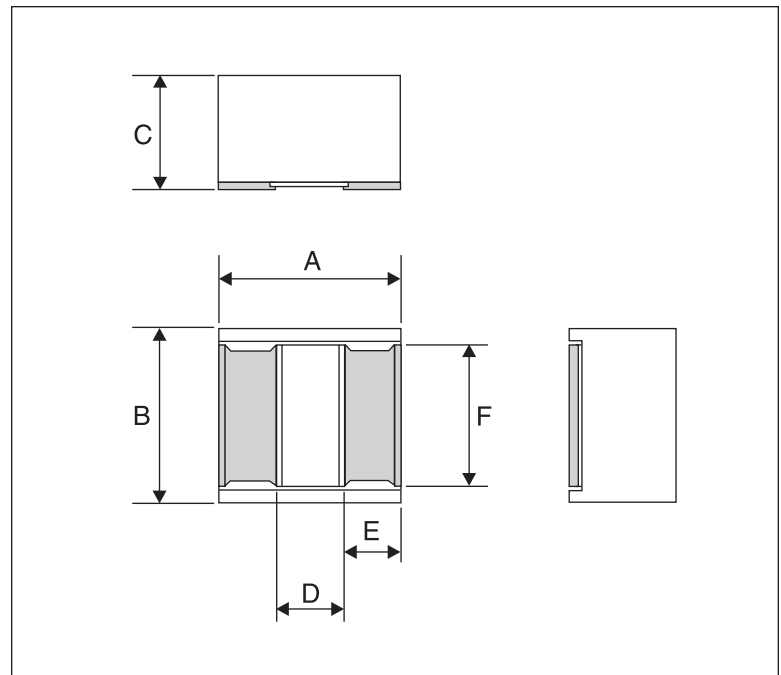
SPECIFICATIONS

Please specify tolerance code when ordering.
 CTLQH3KS-1R0_ ← M = $\pm 20\%$, N = $\pm 30\%$
 CTLQH3KSE Please specify "F" for RoHS compliant.

Part Number	Inductance (μH)	L Test Freq. (kHz)	DCR Max. (Ω)	IDC Max. (mA)	SRF Typ. (MHz)
CTLQH3KS_-1R0_	1.0	100	0.02	1000	120
CTLQH3KS_-2R2_	2.2	100	0.06	800	60.0
CTLQH3KS_-4R7_	4.7	100	0.11	600	35.0
CTLQH3KS_-6R8_	6.8	100	0.13	500	39.7
CTLQH3KS_-8R2_	8.2	100	0.14	400	33.1
CTLQH3KS_-100M	10	1.0	0.15	300	22.0
CTLQH3KS_-220M	22	1.0	0.32	180	15.0
CTLQH3KS_-330M	33	1.0	0.41	170	16.2
CTLQH3KS_-470M	47	1.0	0.64	150	12.0
CTLQH3KS_-101M	100	1.0	1.74	90	9.00
CTLQH3KS_-221M	220	1.0	4.51	80	6.00
CTLQH3KS_-331M	330	1.0	8.63	70	4.20
CTLQH3KS_-391M	390	1.0	9.11	60	3.80
CTLQH3KS_-471M	470	1.0	9.52	50	3.50
CTLQH3KS_-561M	560	1.0	10.14	50	3.00
CTLQH3KS_-681M	680	1.0	11.83	40	2.60
CTLQH3KS_-102M	1000	1.0	14.30	30	2.10
CTLQH3KS_-152M	1500	1.0	29.90	25	1.70
CTLQH3KS_-202M	2000	1.0	33.00	22	2.18
CTLQH3KS_-222M	2200	1.0	36.40	20	1.50

PHYSICAL DIMENSIONS

Size	A	B	C Max.	D Ref.	E Ref.	F Ref.
mm	3.5 \pm 0.3	3.5 \pm 0.3	2.4	0.9	1.4	2.5
inches	0.14 \pm 0.01	0.14 \pm 0.01	0.09	0.04	0.06	0.10



CHARACTERISTICS

- Description:** SMD (shielded) power inductor
- Applications:** Excellent for power line DC-DC conversion applications used in hard disk, notebook computers, and other electronic equipment
- Operating Temperature:** -40°C to +85°C
- Temperature Rise:** 40°C Max.
- Inductance Tolerance:** $\pm 10\%$ & $\pm 20\%$
- Testing:** Tested on a HP4284A @ specified frequency
- Packaging:** Tape & Reel
- Miscellaneous:** RoHS Compliant available.
- Marking:** Reels are marked with inductance code and tolerance
- Additional Information:** Additional electrical & physical information available upon request
- Samples available.** See website for ordering information.

02.16.05



Manufacturer of Inductors, Chokes, Coils, Beads, Transformers & Toroids

800-684-5322 Inside US 949-453-1811 Outside US

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