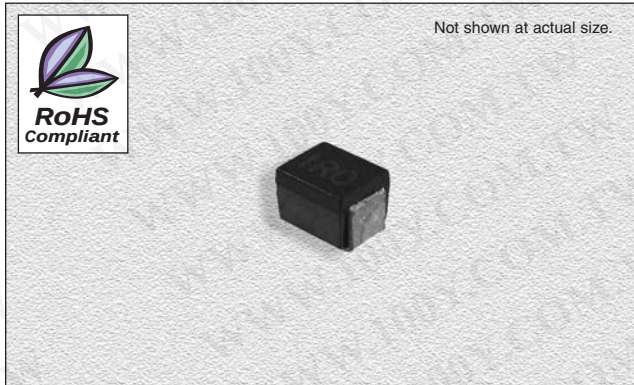


CTNLV32F Series

From .01 μ H to 470 μ H



CHARACTERISTICS

Description: Ferrite core, wire-wound molded chip inductor

Applications: TVs, VCRs, disk drives, computer peripherals, telecommunication devices and electronic control boards for automobiles

Operating Temperature: -25°C to +85°C

Inductance Tolerance: $\pm 5\%$, $\pm 10\%$ & $\pm 20\%$

Testing: Inductance and Q are tested on a HP4285A or a HP4286A at a specified frequency

Packaging: Tape & Reel

Part Marking: Parts marked with inductance code.

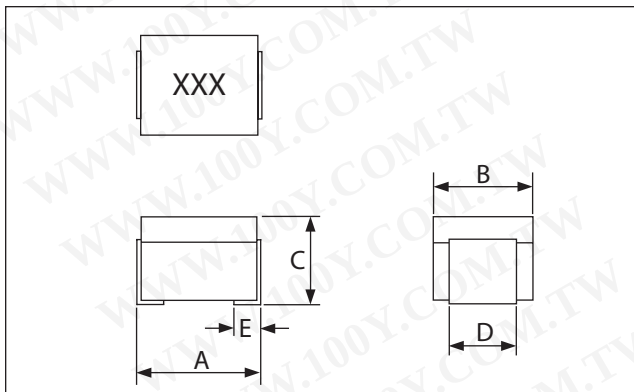
Miscellaneous: RoHS Compliant.

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

PHYSICAL DIMENSIONS

Size	A	B	C	D	E Ref.
mm	3.2 $\pm$ 0.2	2.5 $\pm$ 0.2	2.2 $\pm$ 0.2	1.7 $\pm$ 0.2	0.7
inches	.13 $\pm$ 0.008	.10 $\pm$ 0.008	.09 $\pm$ 0.008	.07 $\pm$ 0.008	0.028



SPECIFICATIONS

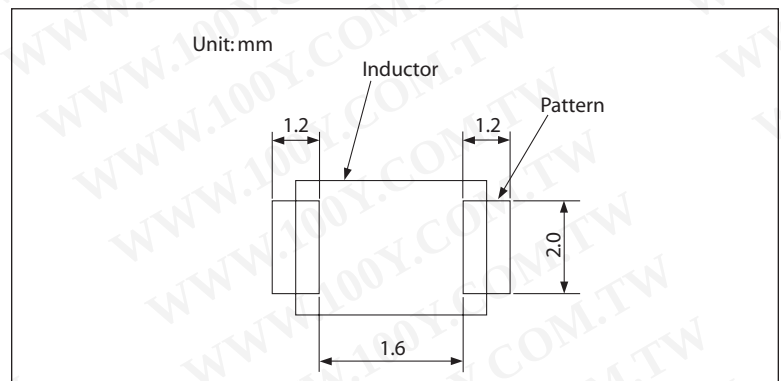
Please specify tolerance code when ordering.

CTNLV32F-R010 $\leftarrow$ J = $\pm 5\%$, K = $\pm 10\%$, M = $\pm 20\%$

*Rated DC: Inductance shall be less than 10% of the initial value with current applied.

Part Number	Inductance (μ H)	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	*Rated DC (mA)
CTNLV32F-R010	.010	100	15	100	2500	.13	450
CTNLV32F-R012	.012	100	17	100	2300	.14	450
CTNLV32F-R015	.015	100	19	100	2100	.16	450
CTNLV32F-R018	.018	100	21	100	1900	.18	450
CTNLV32F-R022	.022	100	23	100	1700	.20	450
CTNLV32F-R027	.027	100	23	100	1500	.22	450
CTNLV32F-R033	.033	100	25	100	1400	.24	450
CTNLV32F-R039	.039	100	25	100	1300	.27	450
CTNLV32F-R047	.047	100	26	100	1200	.30	450
CTNLV32F-R056	.056	100	26	100	1100	.33	450
CTNLV32F-R068	.068	100	27	100	1000	.36	450
CTNLV32F-R082	.082	100	27	100	900	.40	450
CTNLV32F-R10	.10	100	28	100	700	.44	450
CTNLV32F-R12	.12	25.2	30	25.2	500	.22	450
CTNLV32F-R15	.15	25.2	30	25.2	450	.25	450
CTNLV32F-R18	.18	25.2	30	25.2	400	.28	450
CTNLV32F-R22	.22	25.2	30	25.2	350	.32	450
CTNLV32F-R27	.27	25.2	30	25.2	320	.36	450
CTNLV32F-R33	.33	25.2	30	25.2	300	.40	450
CTNLV32F-R39	.39	25.2	30	25.2	250	.45	450
CTNLV32F-R47	.47	25.2	30	25.2	220	.50	450
CTNLV32F-R56	.56	25.2	30	25.2	180	.55	450
CTNLV32F-R68	.68	25.2	30	25.2	160	.60	450
CTNLV32F-R82	.82	25.2	30	25.2	140	.65	450
CTNLV32F-1R0	1.0	7.96	30	7.96	120	.70	400
CTNLV32F-1R2	1.2	7.96	30	7.96	100	.75	390
CTNLV32F-1R5	1.5	7.96	30	7.96	85	.85	370
CTNLV32F-1R8	1.8	7.96	30	7.96	80	.90	350
CTNLV32F-2R2	2.2	7.96	30	7.96	75	1.0	320
CTNLV32F-2R7	2.7	7.96	30	7.96	70	1.1	290
CTNLV32F-3R3	3.3	7.96	30	7.96	60	1.2	260
CTNLV32F-3R9	3.9	7.96	30	7.96	55	1.3	250
CTNLV32F-4R7	4.7	7.96	30	7.96	50	1.5	220
CTNLV32F-5R6	5.6	7.96	30	7.96	47	1.6	200
CTNLV32F-6R8	6.8	7.96	30	7.96	43	1.8	180
CTNLV32F-8R2	8.2	7.96	30	7.96	40	2.0	170
CTNLV32F-100	10	2.52	30	2.52	36	2.1	150
CTNLV32F-120	12	2.52	30	2.52	33	2.5	140
CTNLV32F-150	15	2.52	30	2.52	30	2.8	130
CTNLV32F-180	18	2.52	30	2.52	27	3.3	120
CTNLV32F-220	22	2.52	30	2.52	25	3.7	110
CTNLV32F-270	27	2.52	30	2.52	20	5.0	80
CTNLV32F-330	33	2.52	30	2.52	17	5.6	70
CTNLV32F-390	39	2.52	30	2.52	16	6.4	65
CTNLV32F-470	47	2.52	30	2.52	15	7.0	60
CTNLV32F-560	56	2.52	30	2.52	13	8.0	55
CTNLV32F-680	68	2.52	30	2.52	12	9.0	50
CTNLV32F-820	82	2.52	30	2.52	11	10	45
CTNLV32F-101	100	.796	20	.796	10	10	40
CTNLV32F-121	120	.796	20	.796	10	11	70
CTNLV32F-151	150	.796	20	.796	8.0	15	65
CTNLV32F-181	180	.796	20	.796	7.0	17	60
CTNLV32F-221	220	.796	20	.796	7.0	21	50
CTNLV32F-271	270	.796	20	.796	6.0	28	45
CTNLV32F-331	330	.796	20	.796	5.0	34	40
CTNLV32F-391	390	.796	20	.796	5.0	36	35
CTNLV32F-471	470	.796	20	.796	4.0	40	25

LAND PATTERN



09.12.08