

CTNLV32F

Series

From 0.010 μH to 220 μH



SPECIFICATIONS

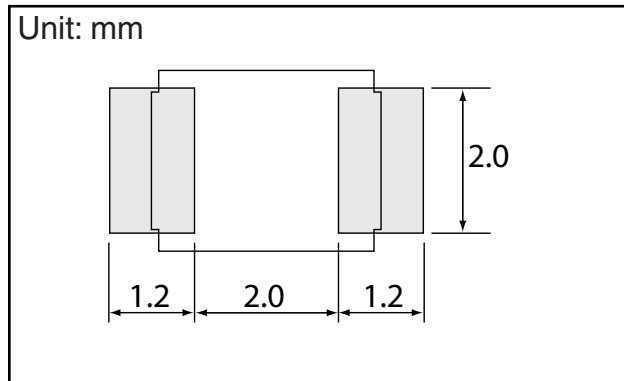
Please specify tolerance code when ordering.
 CTNLV32F-R10 ← K = $\pm 10\%$, M = $\pm 20\%$
 *IDC: Current cause inductance drop within 10%.

Part Number	Inductance (μH)	Test Freq. (MHz)	Q Min.	SRF Min. (MHz)	DCR Max. (Ω)	IDC (mA)
CTNLV32F-10NM	0.010	100	15	2500	0.13	450
CTNLV32F-12NM	0.012	100	17	2300	0.14	450
CTNLV32F-15NM	0.015	100	19	2100	0.16	450
CTNLV32F-18NM	0.018	100	21	1900	0.18	450
CTNLV32F-22NM	0.022	100	23	1700	0.20	450
CTNLV32F-27NM	0.027	100	23	1500	0.22	450
CTNLV32F-33NM	0.033	100	25	1400	0.24	450
CTNLV32F-39NM	0.039	100	25	1300	0.27	450
CTNLV32F-47NM	0.047	100	26	1200	0.30	450
CTNLV32F-56NM	0.056	100	26	1100	0.33	450
CTNLV32F-68NM	0.068	100	27	1000	0.36	450
CTNLV32F-82NM	0.082	100	27	900	0.40	450
CTNLV32F-R10M	0.10	100	28	700	0.44	450
CTNLV32F-R12	0.12	25.2	30	500	0.22	450
CTNLV32F-R15	0.15	25.2	30	450	0.25	450
CTNLV32F-R18	0.18	25.2	30	400	0.28	450
CTNLV32F-R22	0.22	25.2	30	350	0.32	450
CTNLV32F-R27	0.27	25.2	30	320	0.36	450
CTNLV32F-R33	0.33	25.2	30	300	0.40	450
CTNLV32F-R39	0.39	25.2	30	250	0.45	450
CTNLV32F-R47	0.47	25.2	30	220	0.50	450
CTNLV32F-R56	0.56	25.2	30	180	0.55	450
CTNLV32F-R68	0.68	25.2	30	160	0.60	450
CTNLV32F-R82	0.82	25.2	30	140	0.65	450
CTNLV32F-1R0	1.0	7.96	30	90	0.70	400
CTNLV32F-1R2	1.2	7.96	30	85	0.75	390
CTNLV32F-1R5	1.5	7.96	30	70	0.85	370
CTNLV32F-1R8	1.8	7.96	30	60	0.9	350
CTNLV32F-2R2	2.2	7.96	30	50	1.0	320
CTNLV32F-2R7	2.7	7.96	30	45	1.1	290
CTNLV32F-3R3	3.3	7.96	30	40	1.2	260
CTNLV32F-3R9	3.9	7.96	30	37	1.3	250
CTNLV32F-4R7	4.7	7.96	30	32	1.5	220
CTNLV32F-5R6	5.6	7.96	30	30	1.6	200
CTNLV32F-6R8	6.8	7.96	30	28	1.8	180
CTNLV32F-8R2	8.2	7.96	30	25	2.0	170
CTNLV32F-100	10	2.52	30	23	2.1	150
CTNLV32F-120	12	2.52	30	20	2.5	140
CTNLV32F-150	15	2.52	30	19	2.8	130
CTNLV32F-180	18	2.52	30	17	3.3	120
CTNLV32F-220	22	2.52	30	16	3.7	110
CTNLV32F-270	27	2.52	30	14	5.0	80
CTNLV32F-330	33	2.52	30	13	5.6	70
CTNLV32F-390	39	2.52	30	12	6.4	65
CTNLV32F-470	47	2.52	30	10	7.0	60
CTNLV32F-560	56	2.52	30	9	8.0	55
CTNLV32F-680	68	2.52	30	9	9.0	50
CTNLV32F-820	82	2.52	30	8	10	45
CTNLV32F-101	100	0.796	20	7	10	40
CTNLV32F-121	120	0.796	20	7	11	70
CTNLV32F-151	150	0.796	20	6	15	65
CTNLV32F-181	180	0.796	20	6	17	60
CTNLV32F-221	220	0.796	20	5	21	50

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:** -40°C to $+85^{\circ}\text{C}$
- Inductance Tolerance:** $\pm 10\%$, $\pm 20\%$
- Testing:** Inductance and Q are tested on a HP4285A or HP4286A at specified frequency.
- 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



PHYSICAL DIMENSIONS

Size	A	B	C	D Ref.	E Min.	F
mm	3.2 \pm 0.3	2.5 \pm 0.2	2.2 \pm 0.2	0.6	0.2	1.9 \pm 0.1
inches	0.13 \pm 0.012	0.10 \pm 0.008	0.09 \pm 0.008	0.024	0.008	0.075 \pm 0.004

