

32CS Wirewound Chip Inductor

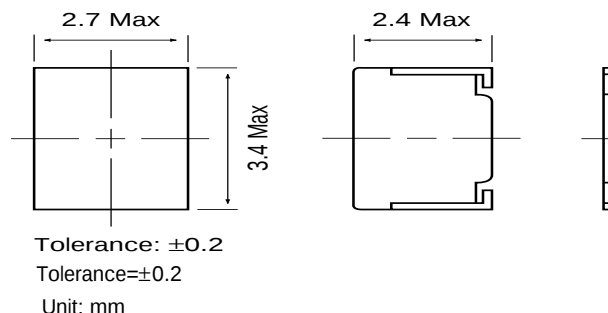
The 32CS Series is a ferrite core wirewound surface mount inductor which conforms to the EIA standard 1210 footprint. A low temperature coefficient assures minimal drift of values. Its molded construction is of a superior grade resin for high mechanical strength, electrical stability, protection from leaching and flux contamination. It is recommended for general signal conditioning, RF or IF filtering applications, or as matching elements.



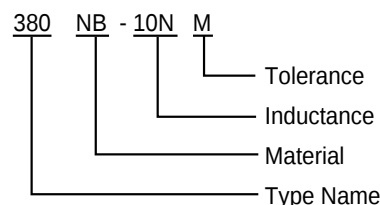
Features

- Low temperature coefficient assures minimal drift of values.
- Molded of superior grade resin for mechanical strength, electrical stability, protection from leaching and flux contamination.
- Dip and Reflow Soldering
- Inductance Range: 0.01–220 μ H
- Temperature Coefficient: L drift within $\pm 6.5\%$
- Temperature range between -25 to 85°C
- On tape and reel, 1500 pieces per reel

Dimensions



Part Numbering



Standard Parts Selection Guide

(1) Add following tolerance code to part numbers with parenthesis:
J= $\pm 5\%$, K= $\pm 10\%$, or M= $\pm 20\%$.

(2) The rated DC current is that which the inductance value decreases 10% by the excitation DC current.

TOKO Part ⁽¹⁾ Number	Tolerance	Inductance (μ H)	Q (min.)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated DC Current ⁽²⁾ (mA) max.	Self Resonant Frequency (MHz) min.
380NB-10N*	M	0.010	18	100	0.100	510	1000
380NB-12N*	M	0.012	19	100	0.125	490	1000
380NB-15N*	M	0.015	20	100	0.145	470	1000
380NB-18N*	M	0.018	20	100	0.165	450	1000
380NB-22N*	M	0.022	21	100	0.170	430	900
380NB-27N*	M	0.027	22	100	0.190	410	800
380NB-33N*	M	0.033	22	100	0.200	390	720
380NB-39N*	M	0.039	23	100	0.230	380	700
380NB-47N*	M	0.047	24	100	0.235	360	650
380NB-56N*	M	0.056	25	100	0.265	340	600
380NB-68N*	M	0.068	26	100	0.290	320	550
380NB-82N*	M	0.082	27	100	0.330	300	525

* Add tolerance to part number J, K, M

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TOKO Part ⁽¹⁾ Number	Tolerance	Inductance (μ H)	Q (min.)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated DC Current ⁽²⁾ (mA) max.	Self Resonant Frequency (MHz) min.
380NB-R10*	M	0.10	18	25.2	0.38	250	450
380NB-R12*	M	0.12	18	25.2	0.42	240	300
380NB-R15*	M	0.15	17	25.2	0.46	230	220
380NB-R18*	M	0.18	16	25.2	0.50	220	190
380NB-R22*	M	0.22	15	25.2	0.54	200	160
380NB-R27*	M	0.27	15	25.2	0.60	190	130
380NB-R33*	M	0.33	15	25.2	0.65	180	100
380NB-R39*	M	0.39	14	25.2	0.70	170	95
380NB-R47*	M	0.47	13	25.2	0.75	170	85
380NB-R56*	M	0.56	12	25.2	0.84	160	75
380NB-R68*	M	0.68	12	25.2	0.92	150	70
380NB-R82*	M	0.82	12	25.2	1.01	140	65
380LB-1R0*	K,M	1.0	30	7.96	0.42	235	150
380LB-1R2*	K,M	1.2	30	7.96	0.46	225	110
380LB-1R5*	K,M	1.5	30	7.96	0.51	200	75.0
380LB-1R8*	K,M	1.8	30	7.96	0.56	190	57.5
380LB-2R2*	K,M	2.2	30	7.96	0.63	180	45.0
380LB-2R7*	K,M	2.7	30	7.96	0.71	178	37.0
380LB-3R3*	K,M	3.3	30	7.96	0.78	175	32.5
380LB-3R9*	K,M	3.9	30	7.96	0.86	170	29.5
380LB-4R7*	K,M	4.7	30	7.96	0.94	160	27.0
380LB-5R6*	K,M	5.6	30	7.96	1.43	127	24.0
380LB-6R8*	K,M	6.8	30	7.96	1.63	125	20.5
380LB-8R2*	K,M	8.2	30	7.96	1.76	120	19.0
380KB-100*	J,K	10	30	2.52	1.76	118	18.5
380KB-120*	J,K	12	30	2.52	2.02	93.0	17.0
380KB-150*	J,K	15	30	2.52	2.28	85.0	15.5
380KB-180*	J,K	18	30	2.52	2.54	80.0	14.5
380KB-220*	J,K	22	30	2.52	4.03	73.3	11.5
380KB-270*	J,K	27	30	2.52	4.55	68.3	11.5
380KB-330*	J,K	33	30	2.52	5.20	61.7	10.5
380KB-390*	J,K	39	30	2.52	5.59	56.7	9.50
380KB-470*	J,K	47	30	2.52	8.06	51.7	9.00
380KB-560*	J,K	56	30	2.52	9.10	43.3	8.25
380KB-680*	J,K	68	30	2.52	13.4	42.5	8.00
380KB-820*	J,K	82	30	2.52	14.3	37.5	6.00
380HB-101*	J,K	100	18	0.796	14.3	37.3	5.75
380HB-121*	J,K	120	18	0.796	16.3	35.0	5.00
380HB-151*	J,K	150	18	0.796	19.5	32.0	4.40
380HB-181*	J,K	180	18	0.796	20.8	31.0	4.25
380HB-221*	J,K	220	18	0.796	23.4	30.0	3.90

* Add tolerance to part number J, K, M