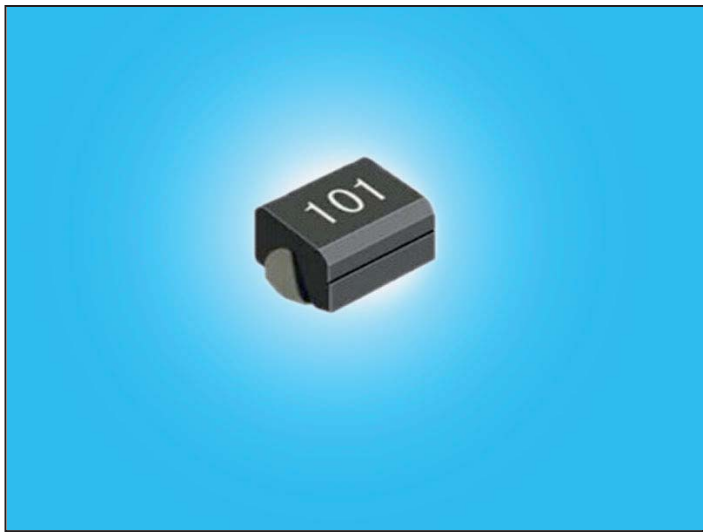


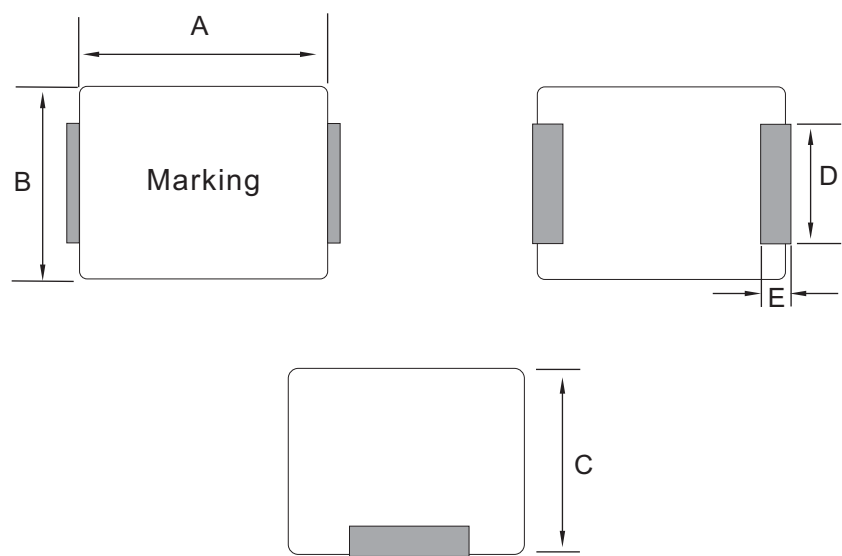
Molded Wound Ferrite Chip Inductor



Features and Applications

- Closed magnetic circuit avoids crosstalk.
- Has excellent inductance temperature characteristics.
- Monolithic structure for high reliability.
- Smart meters.
- Mobil Radios.
- Communication equipment.
- Various automotive electronics, Etc.

Dimensions (Unit:mm)



Type	A	B	C	D	E(Ref.)
WFI2520	2.5±0.2	2.0±0.2	1.8±0.2	1.0±0.2	0.5
WFI3225	3.2±0.2	2.5±0.2	2.2±0.2	1.2±0.2	0.5
WFI4532	4.5±0.2	3.2±0.2	3.2±0.2	1.3±0.2	1
WFI5650	5.6±0.2	5.0±0.2	5.0±0.2	2.0±0.2	1

Electrical Specifications-WFI2520

P/N	Inductance (uH)	DCR(Max) (Ω)	IDC(Max) (mA)	Q (Min)	Test Freq. (MHz)	SRF(Min) (MHz)
WFI2520-R12K	0.12±10%	0.37	520	30	25.2	600
WFI2520-R15K	0.15±10%	0.42	480	30	25.2	550
WFI2520-R18K	0.18±10%	0.46	460	30	25.2	500
WFI2520-R22K	0.22±10%	0.52	430	30	25.2	450
WFI2520-R27K	0.27±10%	0.56	420	30	25.2	425
WFI2520-R33K	0.33±10%	0.6	400	30	25.2	400
WFI2520-R39K	0.39±10%	0.65	375	30	25.2	375
WFI2520-R47K	0.47±10%	0.68	350	30	25.2	350
WFI2520-R56K	0.56±10%	0.75	325	30	25.2	300
WFI2520-R68K	0.68±10%	0.85	300	30	25.2	270
WFI2520-R82K	0.82±10%	1.00	260	30	25.2	250
WFI2520-1R0J	1.0±5%	1.10	245	30	7.96	220
WFI2520-1R2J	1.2±5%	1.20	230	30	7.96	180
WFI2520-1R5J	1.5±5%	1.30	220	30	7.96	135
WFI2520-1R8J	1.8±5%	1.45	210	30	7.96	100
WFI2520-2R2J	2.2±5%	1.55	200	30	7.96	75
WFI2520-2R7J	2.7±5%	1.70	195	30	7.96	55
WFI2520-3R3J	3.3±5%	1.90	185	30	7.96	48
WFI2520-3R9J	3.9±5%	2.10	180	30	7.96	43
WFI2520-4R7J	4.7±5%	2.30	175	30	7.96	40
WFI2520-5R6J	5.6±5%	2.50	170	25	7.96	36
WFI2520-6R8J	6.8±5%	2.70	165	25	7.96	33
WFI2520-8R2J	8.2±5%	3.05	160	25	7.96	30
WFI2520-100J	10±5%	3.50	155	25	2.52	27
WFI2520-120J	12±5%	3.80	150	25	2.52	23
WFI2520-150J	15±5%	4.40	140	25	2.52	20
WFI2520-180J	18±5%	4.80	130	25	2.52	18
WFI2520-220J	22±5%	5.50	125	25	2.52	17
WFI2520-270J	27±5%	6.30	115	25	2.52	16
WFI2520-330J	33±5%	7.10	110	25	2.52	15
WFI2520-390J	39±5%	9.50	90	20	2.52	14
WFI2520-470J	47±5%	11.10	80	20	2.52	13
WFI2520-560J	56±5%	12.10	75	20	2.52	12
WFI2520-680J	68±5%	16.60	70	20	2.52	11
WFI2520-820J	82±5%	19.00	65	20	2.52	10
WFI2520-101J	100±5%	21.00	60	15	0.796	9

Electrical Specifications-WFI3225

P/N	Inductance (uH)	DCR(Max) (Ω)	IDC(Max) (mA)	Q (Min)	Test Freq. (MHz)	SRF(Min) (MHz)
WFI3225-010K	0.010±10%	0.13	450	15	100	2500
WFI3225-012K	0.012±10%	0.15	450	17	100	2300
WFI3225-015K	0.015±10%	0.16	450	19	100	2100
WFI3225-018K	0.018±10%	0.18	450	21	100	1900
WFI3225-022K	0.022±10%	0.2	450	23	100	1700
WFI3225-027K	0.027±10%	0.22	450	23	100	1500
WFI3225-033K	0.033±10%	0.22	450	25	100	1400
WFI3225-039K	0.039±10%	0.27	450	25	100	1300
WFI3225-047K	0.047±10%	0.3	450	26	100	1200
WFI3225-056K	0.056±10%	0.33	450	26	100	1100
WFI3225-068K	0.068±10%	0.36	450	27	100	1000
WFI3225-082K	0.082±10%	0.40	450	27	100	900
WFI3225-R10K	0.10±10%	0.44	450	28	100	700
WFI3225-R12K	0.12±10%	0.22	450	30	25.2	500
WFI3225-R15K	0.15±10%	0.25	450	30	25.2	450
WFI3225-R18K	0.18±10%	0.28	450	30	25.2	400
WFI3225-R22K	0.22±10%	0.32	450	30	25.2	350
WFI3225-R27K	0.27±10%	0.36	450	30	25.2	320
WFI3225-R33K	0.33±10%	0.4	450	30	25.2	300
WFI3225-R39K	0.39±10%	0.45	450	30	25.2	250
WFI3225-R47K	0.47±10%	0.5	450	30	25.2	220
WFI3225-R56K	0.56±10%	0.55	450	30	25.2	180
WFI3225-R68K	0.68±10%	0.6	450	30	25.2	160
WFI3225-R82K	0.82±10%	0.65	450	30	25.2	140
WFI3225-1R0J	1.0±5%	0.70	400	30	7.96	120
WFI3225-1R2J	1.2±5%	0.75	390	30	7.96	100
WFI3225-1R5J	1.5±5%	0.85	370	30	7.96	85
WFI3225-1R8J	1.8±5%	0.90	350	30	7.96	80
WFI3225-2R2J	2.2±5%	1.00	320	30	7.96	75
WFI3225-2R7J	2.7±5%	1.10	290	30	7.96	70
WFI3225-3R3J	3.3±5%	1.20	260	30	7.96	60
WFI3225-3R9J	3.9±5%	1.30	250	30	7.96	55
WFI3225-4R7J	4.7±5%	1.50	220	30	7.96	50
WFI3225-5R6J	5.6±5%	1.60	200	30	7.96	47
WFI3225-6R8J	6.8±5%	1.80	180	30	7.96	43
WFI3225-8R2J	8.2±5%	2.00	170	30	7.96	40
WFI3225-100J	10±5%	2.10	150	30	2.52	36

Electrical Specifications-WFI3225

P/N	Inductance (uH)	DCR(Max) (Ω)	IDC(Max) (mA)	Q (Min)	Test Freq. (MHz)	SRF(Min) (MHz)
WFI3225-120J	12±5%	2.50	140	30	2.52	33
WFI3225-150J	15±5%	2.80	130	30	2.52	28
WFI3225-180J	18±5%	3.30	120	30	2.52	25
WFI3225-220J	22±5%	3.70	110	30	2.52	23
WFI3225-270J	27±5%	5.00	80	30	2.52	20
WFI3225-330J	33±5%	5.60	70	30	2.52	17
WFI3225-390J	39±5%	6.40	65	30	2.52	16
WFI3225-470J	47±5%	7.00	60	30	2.52	15
WFI3225-560J	56±5%	8.00	55	30	2.52	13
WFI3225-680J	68±5%	9.00	50	30	2.52	12
WFI3225-820J	82±5%	10	45	30	2.52	11
WFI3225-101J	100±5%	10	40	30	0.796	10
WFI3225-121J	120±5%	11	70	20	0.796	10
WFI3225-151J	150±5%	15	65	20	0.796	8
WFI3225-181J	180±5%	17	60	20	0.796	7
WFI3225-221J	220±5%	21	50	20	0.796	7

Electrical Specifications-WFI4532

P/N	Inductance (uH)	DCR(Max) (Ω)	IDC(Max) (mA)	Q (Min)	Test Freq. (MHz)	SRF(Min) (MHz)
WFI4532-R10K	0.10±10%	0.18	800	35	25.2	300
WFI4532-R12K	0.12±10%	0.2	770	35	25.2	280
WFI4532-R15K	0.15±10%	0.22	730	35	25.2	250
WFI4532-R18K	0.18±10%	0.24	700	35	25.2	220
WFI4532-R22K	0.22±10%	0.25	665	40	25.2	200
WFI4532-R27K	0.27±10%	0.26	635	40	25.2	180
WFI4532-R33K	0.33±10%	0.28	605	40	25.2	165
WFI4532-R39K	0.39±10%	0.3	575	40	25.2	150
WFI4532-R47K	0.47±10%	0.32	545	40	25.2	145
WFI4532-R56K	0.56±10%	0.36	520	40	25.2	140
WFI4532-R68K	0.68±10%	0.4	500	40	25.2	135
WFI4532-R82K	0.82±10%	0.45	475	40	25.2	130
WFI4532-1R0J	1.0±5%	0.50	450	50	7.96	100
WFI4532-1R2J	1.2±5%	0.55	430	50	7.96	80
WFI4532-1R5J	1.5±5%	0.60	410	50	7.96	70
WFI4532-1R8J	1.8±5%	0.65	390	50	7.96	60
WFI4532-2R2J	2.2±5%	0.70	380	50	7.96	55

Electrical Specifications-WFI4532

P/N	Inductance (uH)	DCR(Max) (Ω)	IDC(Max) (mA)	Q (Min)	Test Freq. (MHz)	SRF(Min) (MHz)
WFI4532-2R7J	2.7±5%	0.75	370	50	7.96	50
WFI4532-3R3J	3.3±5%	0.80	355	50	7.96	45
WFI4532-3R9J	3.9±5%	0.90	330	50	7.96	40
WFI4532-4R7J	4.7±5%	1.0	315	50	7.96	35
WFI4532-5R6J	5.6±5%	1.1	300	50	7.96	33
WFI4532-6R8J	6.8±5%	1.2	285	50	7.96	27
WFI4532-8R2J	8.2±5%	1.4	270	50	7.96	25
WFI4532-100J	10±5%	1.6	250	50	2.52	20
WFI4532-120J	12±5%	2.0	225	50	2.52	18
WFI4532-150J	15±5%	2.5	200	50	2.52	17
WFI4532-180J	18±5%	2.8	190	50	2.52	15
WFI4532-220J	22±5%	3.2	180	50	2.52	13
WFI4532-270J	27±5%	3.6	170	50	2.52	12
WFI4532-330J	33±5%	4.0	160	50	2.52	11
WFI4532-390J	39±5%	4.5	150	50	2.52	10
WFI4532-470J	47±5%	5.0	140	50	2.52	10
WFI4532-560J	56±5%	5.5	135	50	2.52	9
WFI4532-680J	68±5%	6.0	130	50	2.52	9
WFI4532-820J	82±5%	7.0	120	50	2.52	8
WFI4532-101J	100±5%	8.0	110	40	7.96	8
WFI4532-121J	120±5%	8.0	110	40	7.96	6
WFI4532-151J	150±5%	9.0	105	40	7.96	5
WFI4532-181J	180±5%	9.5	102	40	7.96	5
WFI4532-221J	220±5%	10	100	40	7.96	4
WFI4532-271J	270±5%	12	92	40	7.96	4
WFI4532-331J	330±5%	14	85	40	7.96	3.5
WFI4532-391J	390±5%	18	80	40	7.96	3
WFI4532-471J	470±5%	26	62	40	7.96	3
WFI4532-561J	560±5%	30	50	30	7.96	3
WFI4532-681J	680±5%	30	50	30	7.96	3
WFI4532-821J	820±5%	35	30	30	7.96	2.5
WFI4532-102J	1000±5%	40	30	20	2.52	2.5

Electrical Specifications-WFI5650

P/N	Inductance (uH)	DCR(Max) (Ω)	IDC(Max) (mA)	Q (Min)	Test Freq. (MHz)	SRF(Min) (MHz)
WFI5650-1R0J	1.0±5%	0.03	1800	10	7.96	95
WFI5650-1R2J	1.2±5%	0.035	1700	10	7.96	70
WFI5650-1R5J	1.5±5%	0.04	1600	10	7.96	55
WFI5650-1R8J	1.8±5%	0.05	1400	10	7.96	47
WFI5650-2R2J	2.2±5%	0.06	1300	10	7.96	42
WFI5650-2R7J	2.7±5%	0.07	1200	10	7.96	37
WFI5650-3R3J	3.3±5%	0.08	1120	10	7.96	34
WFI5650-3R9J	3.9±5%	0.09	1050	10	7.96	32
WFI5650-4R7J	4.7±5%	0.11	950	10	7.96	29
WFI5650-5R6J	5.6±5%	0.13	880	10	7.96	26
WFI5650-6R8J	6.8±5%	0.15	810	10	7.96	24
WFI5650-8R2J	8.2±5%	0.18	750	10	7.96	22
WFI5650-100J	10±5%	0.21	690	10	2.52	19
WFI5650-120J	12±5%	0.25	630	10	2.52	17
WFI5650-150J	15±5%	0.30	580	10	2.52	16
WFI5650-180J	18±5%	0.36	530	10	2.52	14
WFI5650-220J	22±5%	0.43	480	10	2.52	13
WFI5650-270J	27±5%	0.52	440	10	2.52	11.5
WFI5650-330J	33±5%	0.62	400	10	2.52	10.5
WFI5650-390J	39±5%	0.72	370	10	2.52	9.5
WFI5650-470J	47±5%	0.85	340	10	2.52	8.5
WFI5650-560J	56±5%	1.0	310	10	2.52	7.8
WFI5650-680J	68±5%	1.2	290	10	2.52	7
WFI5650-820J	82±5%	1.4	270	10	2.52	6.4
WFI5650-101J	100±5%	1.6	250	20	0.796	6
WFI5650-121J	120±5%	1.9	230	20	0.796	5.4
WFI5650-151J	150±5%	2.2	210	20	0.796	4.8
WFI5650-181J	180±5%	2.8	190	20	0.796	4.4
WFI5650-221J	220±5%	3.4	170	20	0.796	3.9
WFI5650-271J	270±5%	4.2	155	20	0.796	3.6
WFI5650-331J	330±5%	4.9	140	20	0.796	3.2
WFI5650-391J	390±5%	5.8	130	20	0.796	2.9
WFI5650-471J	470±5%	7.0	120	20	0.796	2.6
WFI5650-561J	560±5%	8.5	110	20	0.796	2.4
WFI5650-681J	680±5%	10	100	20	0.796	2.2
WFI5650-821J	820±5%	13	90	20	0.796	2
WFI5650-102J	1000±5%	15	85	20	0.252	1.8

Electrical Specifications-WFI5650

P/N	Inductance (uH)	DCR(Max) (Ω)	IDC(Max) (mA)	Q (Min)	Test Freq. (MHz)	SRF(Min) (MHz)
WFI5650-122J	1200±5%	17	75	30	0.252	1.5
WFI5650-152J	1500±5%	20	70	30	0.252	1.4
WFI5650-182J	1800±5%	30	60	30	0.252	1.3
WFI5650-222J	2200±5%	35	55	30	0.252	1.2
WFI5650-272J	2700±5%	55	45	30	0.252	1.1
WFI5650-332J	3300±5%	60	40	30	0.252	1
WFI5650-392J	3900±5%	70	38	30	0.252	1
WFI5650-472J	4700±5%	78	36	30	0.252	0.9
WFI5650-562J	5600±5%	85	33	30	0.252	0.8
WFI5650-682J	6800±5%	110	30	30	0.252	0.7
WFI5650-822J	8200±5%	125	28	30	0.252	0.6
WFI5650-103J	10000±5%	150	25	20	0.0796	0.5