

## Chip Inductors - CM453232 Series Wirewound

RoHS Compliant 1812 Size Part Number	Inductance μH	Std. Tolerance	Std. Tol. Code	1/2 Tolerance	1/2 Tol. Code	Q min.	Test Freq. MHz	SRF min. MHz	RDC ohm max	IDC mA max
CM453232-R10	0.10	±20 %	M	±10 %	K	35	25.2	300	0.18	800
CM453232-R12	0.12	±20 %	M	±10 %	K	35	25.2	280	0.2	770
CM453232-R15	0.15	±20 %	M	±10 %	K	35	25.2	250	0.22	730
CM453232-R18	0.18	±20 %	M	±10 %	K	35	25.2	220	0.24	700
CM453232-R22	0.22	±20 %	M	±10 %	K	40	25.2	200	0.25	665
CM453232-R27	0.27	±20 %	M	±10 %	K	40	25.2	180	0.26	635
CM453232-R33	0.33	±20 %	M	±10 %	K	40	25.2	165	0.28	605
CM453232-R39	0.39	±20 %	M	±10 %	K	40	25.2	150	0.30	575
CM453232-R47	0.47	±20 %	M	±10 %	K	40	25.2	145	0.32	545
CM453232-R56	0.56	±20 %	M	±10 %	K	40	25.2	140	0.36	520
CM453232-R68	0.68	±20 %	M	±10 %	K	40	25.2	135	0.40	500
CM453232-R82	0.82	±20 %	M	±10 %	K	40	25.2	130	0.45	475
CM453232-1R0	1.0	±10 %	K	±5 %	J	50	7.96	100	0.50	450
CM453232-1R2	1.2	±10 %	K	±5 %	J	50	7.96	80	0.55	430
CM453232-1R5	1.5	±10 %	K	±5 %	J	50	7.96	70	0.60	410
CM453232-1R8	1.8	±10 %	K	±5 %	J	50	7.96	60	0.65	390
CM453232-2R2	2.2	±10 %	K	±5 %	J	50	7.96	55	0.70	380
CM453232-2R7	2.7	±10 %	K	±5 %	J	50	7.96	50	0.75	370
CM453232-3R3	3.3	±10 %	K	±5 %	J	50	7.96	45	0.80	355
CM453232-3R9	3.9	±10 %	K	±5 %	J	50	7.96	40	0.90	330
CM453232-4R7	4.7	±10 %	K	±5 %	J	50	7.96	35	1.00	315
CM453232-5R6	5.6	±10 %	K	±5 %	J	50	7.96	33	1.10	300
CM453232-6R8	6.8	±10 %	K	±5 %	J	50	7.96	27	1.2	285
CM453232-8R2	8.2	±10 %	K	±5 %	J	50	7.96	25	1.4	270
CM453232-100	10	±10 %	K	±5 %	J	50	2.52	20	1.6	250
CM453232-120	12	±10 %	K	±5 %	J	50	2.52	18	2	225
CM453232-150	15	±10 %	K	±5 %	J	50	2.52	17	2.5	200
CM453232-180	18	±10 %	K	±5 %	J	50	2.52	15	2.8	190
CM453232-220	22	±10 %	K	±5 %	J	50	2.52	13	3.2	180
CM453232-270	27	±10 %	K	±5 %	J	50	2.52	12	3.6	170
CM453232-330	33	±10 %	K	±5 %	J	50	2.52	11	4	160
CM453232-390	39	±10 %	K	±5 %	J	50	2.52	10	4.5	150
CM453232-470	47	±10 %	K	±5 %	J	50	2.52	10	5	140
CM453232-560	56	±10 %	K	±5 %	J	50	2.52	9	5.5	135
CM453232-680	68	±10 %	K	±5 %	J	50	2.52	9	6	130
CM453232-820	82	±10 %	K	±5 %	J	50	2.52	8	7	120
CM453232-101	100	±10 %	K	±5 %	J	40	2.52	8	8	110
CM453232-121	120	±10 %	K	±5 %	J	40	0.796	6	8	110
CM453232-151	150	±10 %	K	±5 %	J	40	0.796	5	9	105
CM453232-181	180	±10 %	K	±5 %	J	40	0.796	5	9.5	102
CM453232-221	220	±10 %	K	±5 %	J	40	0.796	4	10	100
CM453232-271	270	±10 %	K	±5 %	J	40	0.796	4	12	92
CM453232-331	330	±10 %	K	±5 %	J	40	0.796	3.5	14	85
CM453232-391	390	±10 %	K	±5 %	J	40	0.796	3	18	80
CM453232-471	470	±10 %	K	±5 %	J	40	0.796	3	26	62
CM453232-561	560	±10 %	K	±5 %	J	30	0.796	3	30	50
CM453232-681	680	±10 %	K	±5 %	J	30	0.796	3	30	50
CM453232-821	820	±10 %	K	±5 %	J	30	0.796	2.5	35	30
CM453232-102	1000	±10 %	K	±5 %	J	30	0.252	2.5	40	30

<1> Enter tolerance code from standard or 1/2 tolerance column. Example: CM453232-1R2K is standard tolerance; CM453232-1R2J is 1/2 tolerance.

Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.

## Chip Inductors - CM322522 Series Wirewound

RoHS Compliant 1210 Size Part Number	Inductance $\mu$ H	Std. Tolerance	Std. Tol. Code	1/2 Tolerance	1/2 Tol. Code	Q min.	Test Freq. MHz	SRF min. MHz	RDC ohm max	IDC mA max
CM322522-47NM	0.047	$\pm 20\%$	M	N/A	N/A	10	100	680	0.20	450
CM322522-56NM	0.056	$\pm 20\%$	M	N/A	N/A	10	100	600	0.22	420
CM322522-68NM	0.068	$\pm 20\%$	M	N/A	N/A	10	100	540	0.25	400
CM322522-82NM	0.082	$\pm 20\%$	M	N/A	N/A	10	100	500	0.27	380
CM322522-R10M	0.10	$\pm 20\%$	M	N/A	N/A	10	100	450	0.30	360
CM322522-R12M	0.12	$\pm 20\%$	M	N/A	N/A	10	25.2	400	0.67	240
CM322522-R15M	0.15	$\pm 20\%$	M	N/A	N/A	10	25.2	350	0.72	230
CM322522-R18M	0.18	$\pm 20\%$	M	N/A	N/A	10	25.2	320	0.81	220
CM322522-R22	0.22	$\pm 20\%$	M	$\pm 10\%$	K	25	25.2	230	0.29	360
CM322522-R27	0.27	$\pm 20\%$	M	$\pm 10\%$	K	25	25.2	210	0.32	345
CM322522-R33	0.33	$\pm 20\%$	M	$\pm 10\%$	K	25	25.2	190	0.35	330
CM322522-R39	0.39	$\pm 20\%$	M	$\pm 10\%$	K	25	25.2	175	0.39	305
CM322522-R47	0.47	$\pm 20\%$	M	$\pm 10\%$	K	25	25.2	160	0.44	290
CM322522-R56	0.56	$\pm 20\%$	M	$\pm 10\%$	K	25	25.2	150	0.49	275
CM322522-R68	0.68	$\pm 20\%$	M	$\pm 10\%$	K	25	25.2	135	0.55	260
CM322522-R82	0.82	$\pm 20\%$	M	$\pm 10\%$	K	25	25.2	125	0.61	245
CM322522-1R0	1.0	$\pm 10\%$	K	$\pm 5\%$	J	30	7.96	115	0.69	230
CM322522-1R2	1.2	$\pm 10\%$	K	$\pm 5\%$	J	30	7.96	100	0.75	215
CM322522-1R5	1.5	$\pm 10\%$	K	$\pm 5\%$	J	30	7.96	90	0.75	210
CM322522-1R8	1.8	$\pm 10\%$	K	$\pm 5\%$	J	30	7.96	85	0.82	200
CM322522-2R2	2.2	$\pm 10\%$	K	$\pm 5\%$	J	30	7.96	80	0.95	190
CM322522-2R7	2.7	$\pm 10\%$	K	$\pm 5\%$	J	30	7.96	75	1.1	180
CM322522-3R3	3.3	$\pm 10\%$	K	$\pm 5\%$	J	30	7.96	65	1.2	180
CM322522-3R9	3.9	$\pm 10\%$	K	$\pm 5\%$	J	30	7.96	60	1.3	175
CM322522-4R7	4.7	$\pm 10\%$	K	$\pm 5\%$	J	30	7.96	55	1.5	165
CM322522-5R6	5.6	$\pm 10\%$	K	$\pm 5\%$	J	30	7.96	50	1.6	160
CM322522-6R8	6.8	$\pm 10\%$	K	$\pm 5\%$	J	30	7.96	45	1.8	150
CM322522-8R2	8.2	$\pm 10\%$	K	$\pm 5\%$	J	30	7.96	40	2.0	140
CM322522-100	10	$\pm 10\%$	K	$\pm 5\%$	J	30	2.52	36	2.1	140
CM322522-120	12	$\pm 10\%$	K	$\pm 5\%$	J	30	2.52	33	2.5	125
CM322522-150	15	$\pm 10\%$	K	$\pm 5\%$	J	30	2.52	30	2.8	120
CM322522-180	18	$\pm 10\%$	K	$\pm 5\%$	J	30	2.52	27	3.3	110
CM322522-220	22	$\pm 10\%$	K	$\pm 5\%$	J	30	2.52	25	3.7	105
CM322522-270	27	$\pm 10\%$	K	$\pm 5\%$	J	30	2.52	22	5.0	90
CM322522-330	33	$\pm 10\%$	K	$\pm 5\%$	J	30	2.52	20	5.6	85
CM322522-390	39	$\pm 10\%$	K	$\pm 5\%$	J	30	2.52	20	6.4	80
CM322522-470	47	$\pm 10\%$	K	$\pm 5\%$	J	30	2.52	15	7.0	75
CM322522-560	56	$\pm 10\%$	K	$\pm 5\%$	J	30	2.52	15	8.0	70
CM322522-680	68	$\pm 10\%$	K	$\pm 5\%$	J	30	2.52	15	9.0	65
CM322522-820	82	$\pm 10\%$	K	$\pm 5\%$	J	30	2.52	11	10	60
CM322522-101	100	$\pm 10\%$	K	$\pm 5\%$	J	20	0.796	10	10	60
CM322522-121	120	$\pm 10\%$	K	$\pm 5\%$	J	20	0.796	10	11	55
CM322522-151	150	$\pm 10\%$	K	$\pm 5\%$	J	20	0.796	8	15	50
CM322522-181	180	$\pm 10\%$	K	$\pm 5\%$	J	20	0.796	7	17	50
CM322522-221	220	$\pm 10\%$	K	$\pm 5\%$	J	20	0.796	7	21	45

Tighter tolerance available on request. Consult factory.

NOTE: 47 nH to 180 nH 'air core' / 220 nH to 220  $\mu$ H 'ferrite core'

<1>Enter tolerance code from standard or 1/2 tolerance column. Example: CM322522-1R0K is standard tolerance; CM322522-1R0J is 1/2 tolerance.

Specifications are subject to change without notice.  
Customers should verify actual device performance in their specific applications.

## Chip Inductors - CM252016 Series Wirewound

RoHS Compliant 1008 Size Part Number	Inductance $\mu$ H	Tolerance	Q min.	Test Frequency MHz	SRF min. MHz	RDC ohm max	IDC mA max
CM252016-10NK	0.010	$\pm 10\%$	10	100	2500	0.32	280
CM252016-12NK	0.012	$\pm 10\%$	10	100	2200	0.34	270
CM252016-15NK	0.015	$\pm 10\%$	10	100	1800	0.38	255
CM252016-18NK	0.018	$\pm 10\%$	10	100	1550	0.4	250
CM252016-22NK	0.022	$\pm 10\%$	15	100	1350	0.43	240
CM252016-27NK	0.027	$\pm 10\%$	15	100	1150	0.47	230
CM252016-33NK	0.033	$\pm 10\%$	15	100	1000	0.51	220
CM252016-39NK	0.039	$\pm 10\%$	15	100	890	0.55	215
CM252016-47NK	0.047	$\pm 10\%$	15	100	770	0.59	205
CM252016-56NK	0.056	$\pm 10\%$	15	100	670	0.63	200
CM252016-68NK	0.068	$\pm 10\%$	15	100	590	0.68	190
CM252016-82NK	0.082	$\pm 10\%$	15	100	520	0.73	185
CM252016-R10K	0.10	$\pm 10\%$	10	25.2	460	0.80	175
CM252016-R12K	0.12	$\pm 10\%$	10	25.2	400	0.87	170
CM252016-R15K	0.15	$\pm 10\%$	10	25.2	340	0.98	160
CM252016-R18K	0.18	$\pm 10\%$	10	25.2	300	1.05	155
CM252016-R22M	0.22	$\pm 20\%$	25	25.2	230	0.70	190
CM252016-R27M	0.27	$\pm 20\%$	25	25.2	210	0.75	180
CM252016-R33M	0.33	$\pm 20\%$	25	25.2	190	0.85	170
CM252016-R39M	0.39	$\pm 20\%$	25	25.2	175	0.95	160
CM252016-R47M	0.47	$\pm 20\%$	25	25.2	160	1.00	155
CM252016-R56M	0.56	$\pm 20\%$	25	25.2	150	1.10	150
CM252016-R68M	0.68	$\pm 20\%$	25	25.2	135	1.25	140
CM252016-R82M	0.82	$\pm 20\%$	25	25.2	125	1.40	130
CM252016-1R0K	1.0	$\pm 10\%$	25	7.96	115	0.65	195
CM252016-1R2K	1.2	$\pm 10\%$	25	7.96	100	0.75	180
CM252016-1R5K	1.5	$\pm 10\%$	25	7.96	90	0.85	170
CM252016-1R8K	1.8	$\pm 10\%$	25	7.96	85	0.95	160
CM252016-2R2K	2.2	$\pm 10\%$	25	7.96	80	1.05	155
CM252016-2R7K	2.7	$\pm 10\%$	25	7.96	75	1.2	145
CM252016-3R3K	3.3	$\pm 10\%$	25	7.96	65	1.3	135
CM252016-3R9K	3.9	$\pm 10\%$	25	7.96	60	1.4	130
CM252016-4R7K	4.7	$\pm 10\%$	25	7.96	55	1.6	125
CM252016-5R6K	5.6	$\pm 10\%$	25	7.96	50	1.8	120
CM252016-6R8K	6.8	$\pm 10\%$	25	7.96	45	1.9	115
CM252016-8R2K	8.2	$\pm 10\%$	25	7.96	40	2.2	105
CM252016-100K	10	$\pm 10\%$	25	2.52	32	3.5	80
CM252016-120K	12	$\pm 10\%$	25	2.52	30	3.8	75
CM252016-150K	15	$\pm 10\%$	25	2.52	28	4.4	70
CM252016-180K	18	$\pm 10\%$	25	2.52	25	5.0	65
CM252016-220K	22	$\pm 10\%$	25	2.52	22	5.8	60
CM252016-270K	27	$\pm 10\%$	20	2.52	21	6.3	115
CM252016-330K	33	$\pm 10\%$	20	2.52	20	7.1	110
CM252016-390K	39	$\pm 10\%$	20	2.52	18	9.5	90
CM252016-470K	47	$\pm 10\%$	20	2.52	17	11.0	80
CM252016-560K	56	$\pm 10\%$	20	2.52	16	12.1	75
CM252016-680K	68	$\pm 10\%$	20	2.52	15	16.6	70
CM252016-820K	82	$\pm 10\%$	20	2.52	13	19.0	65
CM252016-101K	100	$\pm 10\%$	15	0.796	12	21.0	60

Tighter tolerance available on request. Consult factory.

NOTE: 10 nH to 180 nH 'air core' / 220 nH to 220  $\mu$ H 'ferrite core'

Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.