

# SMD WIRE WOUND FERRITE CHIP INDUCTORS

COMPONENT

## PRODUCT IDENTIFICATION



**WCIN 4532 - 100 K**

**A B C D**

A : Small Molded and Wire Wound Chip Inductors.

B : SIZE 4.5mm\*3.2mm

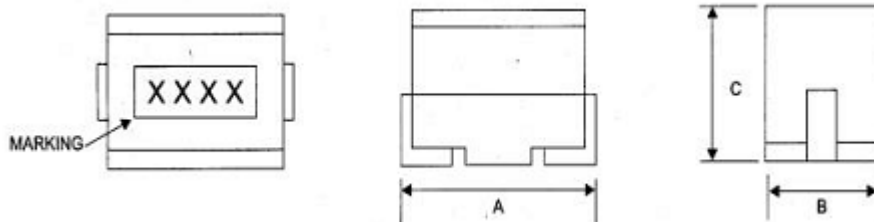
C : INDUCTANCE CODE

D : TOLERANCE : J:±5% K:10% M:20%

## APPLICATIONS

Microtelevisions, liquid crystal television, video camera, portable VCRs, car radios, car stereos, thin type radio, television tuners, mobi telephones, radio equipment, modules such as hybrid Ics and DC power lines.

## SHAPES & DIMENSIONS



TYPE	A	B	C
WCIN3225	3.20±0.30	2.50±0.20	2.50±0.20
WCIN4532	4.50±0.30	3.20±0.20	3.20±0.20

GENERAL SPECIFICATION :

- (1)TEMP RISE : 20°C MAX
- (2)AMBIENT TEMP : 80°C MAX
- (3)STORAGE TEMP : -40°C ~+100°C
- (4)OPERATING TEMP : -20°C ~+100°C
- (5)TERMINAL STRENGTH : 0.5KG MIN
- (6)RATED CURRENT :  
CURRENT CAUSE INDUCTANCE DROP WITHIN 10%
- (7)RESISTANCE TO SOLDER HEAT : 260°C .10 SECS.
- (8)RESISTANCE TO SOLVENT : PER MIL-STD-202F

# SMD WIRE WOUND FERRITE CHIP INDUCTORS

COMPONENT

## ELECTRICAL CHARACTERISTICS

### WCIN 3225 / WCIN4532 SERIES

Inductance		3225					4532				
Code	(uH)	Q Min	Test Freq. Min.	SRF (MHz) Min.	RDC (Ω) Max.	IDC (mA) Max.	Q Min	Test Freq. Min.	SRF (MHz) Min.	RDC (Ω) Max.	IDC (mA) Max.
R10M	0.10	-	-	-	-	-	28	25.20	700	0.44	450
R12M	0.12	30	25.20	500	0.22	450	30	25.20	500	0.22	450
R15M	0.15	-	-	-	-	-	30	25.20	450	0.25	450
R18M	0.18	-	-	-	-	-	30	25.20	400	0.28	450
R22M	0.22	30	25.20	350	0.32	450	30	25.20	350	0.32	450
R27M	0.27	-	-	-	-	-	30	25.20	320	0.36	450
R33M	0.33	30	25.20	300	0.40	450	30	25.20	300	0.40	450
R39M	0.39	30	25.20	250	0.45	450	30	25.20	250	0.45	450
R47M	0.47	-	-	-	-	-	30	25.20	220	0.50	450
R56M	0.56	-	-	-	-	-	30	25.20	180	0.55	450
R68M	0.68	30	25.20	160	0.60	450	30	25.20	160	0.60	450
R82M	0.82	-	-	-	-	-	30	25.20	140	0.67	450
1R0K	1.00	30	7.960	120	0.70	400	50	7.960	100	0.50	450
1R2K	1.20	30	7.960	100	0.75	390	50	7.960	80	0.55	430
1R5K	1.50	30	7.960	85	0.85	370	50	7.960	70	0.60	410
1R8K	1.80	30	7.960	80	0.90	350	50	7.960	60	0.65	390
2R2K	2.20	30	7.960	75	1.00	320	50	7.960	55	0.70	380
2R7K	2.70	30	7.960	70	1.10	290	50	7.960	50	0.75	370
3R3K	3.30	30	7.960	60	1.20	260	50	7.960	45	0.80	355
3R9K	3.90	30	7.960	55	1.30	250	50	7.960	40	0.90	330
4R7K	4.70	30	7.960	50	1.50	220	50	7.960	35	1.00	315
5R6K	5.60	30	7.960	45	1.60	200	50	7.960	33	1.10	300
6R8K	6.80	30	7.960	40	1.80	180	50	7.960	27	1.20	285
8R2K	8.20	30	7.960	35	2.00	170	50	7.960	25	1.40	270
100K	10.0	30	2.520	30	2.10	150	50	2.520	20	1.60	250
120K	12.0	30	2.520	20	2.50	140	50	2.520	18	2.00	225
150K	15.0	30	2.520	20	2.80	130	50	2.520	17	2.50	200
180K	18.0	30	2.520	20	3.30	120	50	2.520	15	2.80	190
220K	22.0	30	2.520	20	3.70	110	50	2.520	13	3.20	180
270K	27.0	30	2.520	20	5.00	80	50	2.520	12	3.60	170
330K	33.0	30	2.520	17	5.60	70	50	2.520	11	4.00	160
390K	39.0	30	2.520	16	6.40	65	50	2.520	10	4.50	150
470K	47.0	30	2.520	15	7.00	60	50	2.520	10	5.00	140
560K	56.0	30	2.520	13	8.00	55	50	2.520	9	5.50	135
680K	68.0	30	2.520	12	9.00	50	50	2.520	9	6.00	130
820K	82.0	30	2.520	11	10.0	45	50	2.520	8	7.00	120
101K	100.0	30	0.796	10	10.0	40	40	0.796	8	8.00	110
121K	120.0	30	0.796	10	11.0	70	40	0.796	6	8.00	110
151K	150.0	30	0.796	8	15.0	65	40	0.796	5	9.00	105
181K	180.0	30	0.796	7	17.0	60	40	0.796	5	9.50	102
221K	220.0	30	0.796	7	21.0	50	40	0.796	4	12.00	100
271K	270.0	-	-	-	-	-	30	0.796	4	18.00	92
331K	330.0	-	-	-	-	-	30	0.796	3.5	20.00	85
391K	390.0	-	-	-	-	-	30	0.796	3	23.00	80
471K	470.0	-	-	-	-	-	30	0.796	3	26.00	62
561K	560.0	-	-	-	-	-	30	0.796	3	30.00	50
681K	680.0	-	-	-	-	-	30	0.796	3	40.00	50
821K	820.0	-	-	-	-	-	30	0.796	2.5	45.00	30
102K	1000.0	-	-	-	-	-	30	0.796	2.5	50.00	30