

SMD WIRE WOUND CHIP INDUCTORS FOR POWER LINE

COMPONENT

PRODUCT IDENTIFICATION



WCPN 4532 - 100 K
A B C D

A : Small Molded and Wire Wound Chip Inductors
 Provide High Current Characteristics.

B : SIZE 4.5mm*3.2mm

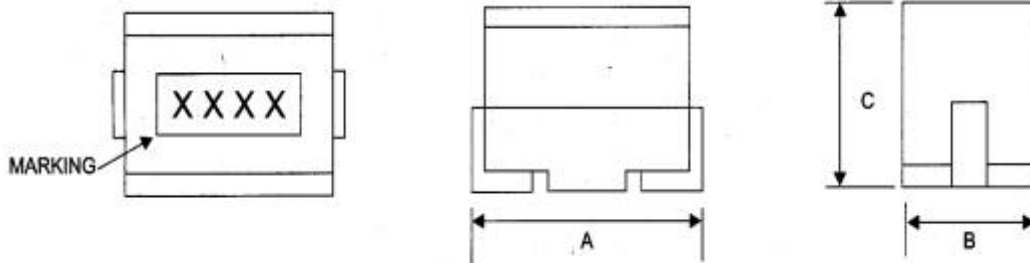
C : INDUCTANCE CODE

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
WCPN5650	5.60±0.30	5.00±0.20	5.00±0.20
WCPN4532	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

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COMPONENT

ELECTRICAL CHARACTERISTICS

WCPN4532 / WCPN5650 SERIES

Inductance		4532					5650				
Code	L (mA)	Q Min.	Test Frequency Min.	SRF (MHz) Min.	RDC (Ω) Max.	IDC (mA) Max.	Q Min.	Test Frequency Min.	SRF (MHz) Min.	RDC (Ω) Max.	IDC (mA) Max.
1R0□	1.0	10	7.96	200	0.11	1050	10	7.96	95	0.03	1800
1R2□	1.2	10	7.96	160	0.12	1000	10	7.96	70	0.035	1700
1R5□	1.5	10	7.96	130	0.15	950	10	7.96	55	0.04	1600
1R8□	1.8	10	7.96	100	0.16	900	10	7.96	47	0.05	1400
2R2□	2.2	10	7.96	80	0.18	850	10	7.96	41	0.06	1300
2R7□	2.7	10	7.96	60	0.20	800	10	7.96	37	0.07	1200
3R3□	3.3	10	7.96	45	0.22	750	10	7.96	34	0.08	1120
3R9□	3.9	10	7.96	40	0.24	700	10	7.96	32	0.09	1050
4R7□	4.7	10	7.96	35	0.27	650	10	7.96	29	0.11	950
5R6□	5.6	10	7.96	30	0.30	650	10	7.96	26	0.13	880
6R8□	6.8	10	7.96	28	0.35	600	10	7.96	24	0.15	810
8R2□	8.2	10	7.96	25	0.40	600	10	7.96	22	0.18	750
100□	10.0	10	2.52	22	0.50	550	10	2.52	19	0.21	690
120□	12.0	10	2.52	21	0.60	500	10	2.52	17	0.25	630
150□	15.0	10	2.52	20	0.70	450	10	2.52	16	0.30	580
180□	18.0	10	2.52	19	0.80	400	10	2.52	14	0.36	530
220□	22.0	10	2.52	18	0.90	370	10	2.52	13	0.43	480
270□	27.0	10	2.52	16	1.20	330	10	2.52	11.5	0.52	440
330□	33.0	10	2.52	14	1.40	300	10	2.52	10.5	0.62	400
390□	39.0	10	2.52	12	1.60	280	10	2.52	9.5	0.72	370
470□	47.0	10	2.52	11.5	1.90	260	10	2.52	8.5	0.85	340
560□	56.0	10	2.52	11	2.20	240	10	2.52	7.8	1.00	310
680□	68.0	10	2.52	10	2.60	220	10	2.52	7	1.2	290
820□	82.0	10	2.52	9	3.50	200	10	2.52	6.4	1.4	270
101□	100	20	0.796	8	4.00	180	20	0.796	6	1.6	250
121□	120	20	0.796	7.5	4.50	160	20	0.796	5.4	1.9	230
151□	150	20	0.796	7	6.50	140	20	0.796	4.8	2.2	210
181□	180	20	0.796	6.5	7.50	120	20	0.796	4.4	2.8	190
221□	220	20	0.796	5.5	9.00	120	20	0.796	3.9	3.4	170
271□	270	20	0.796	5	11.0	100	20	0.796	3.6	4.2	155
331□	330	20	0.796	4	13.0	90	20	0.796	3.2	4.9	140
391□	390	-	-	-	-	-	20	0.796	2.9	5.8	130
471□	470	-	-	-	-	-	20	0.796	2.6	7	120
561□	560	-	-	-	-	-	20	0.796	2.4	8.5	110
681□	680	-	-	-	-	-	20	0.796	2.2	10	100
821□	820	-	-	-	-	-	20	0.796	2	13	90
102□	1000	-	-	-	-	-	20	0.252	1.8	15	85

□ : Please specify the inductance tolerance, K($\pm 10\%$), M($\pm 20\%$)