

ADB Technology Co., Ltd.

Molded Wound Chip Inductors / CWL Series

Feature

Leaching resistant terminations due to metal tabelectrodes.
 Coils encapsulated in heat-proof resin make high accurate dimensions and resistant to mechanical shock or pressure.
 high resistance to heat and humidity.

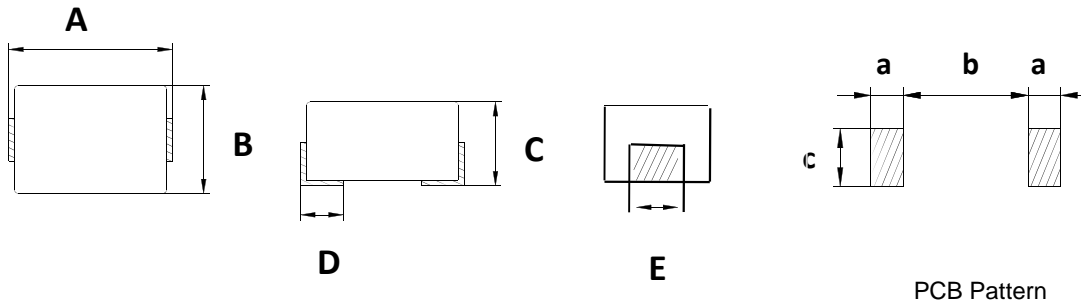
Application

Microtelevisions,liquid crystal television,video camera, portable VCRs,car radios,car stereos,thin type radio. television tuners,mobil telephones,radio equipment, modules such as hybrid lcs.

Product Identification

<u>CWL</u>	<u>3225</u>	<u>330</u>	<u>K</u>	1. Series name.	4. Tolerance.
1	2	3	4	2. Dimension.	(J=5% K=10% L=15% M=20%)
				3. Inductance.	

Configurations & Dimensions



Series Name	A	B	C	D	E	a	b	c
CWL 3225	3.2 ± 0.2	2.5 ± 0.2	2.2 ± 0.2	0.6typ	1.0 ± 0.2	1.0(REF)	2.0(REF)	2.0(REF)
CWL 4532	4.5 ± 0.3	3.2 ± 0.3	3.2 ± 0.3	1.2typ	1.1 ± 0.2	1.5(REF)	3.0(REF)	2.8(REF)

Unit: mm

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Electrical Characteristics

CWL 3225 Series						
Part Number	Inductance (μ H)	Q Value	Test Frequency	SRF (MHz)	DC Resistance	Rated Current
		Min	(MHz)	Min	Max. (m Ω)	Max. (mA)
CWL 3225-10N __	0.01	15	100	2500	130	450
CWL 3225-12N __	0.012	17	100	2300	140	450
CWL 3225-15N __	0.015	19	100	2100	160	450
CWL 3225-18N __	0.018	21	100	1900	180	450
CWL 3225-22N __	0.022	23	100	1700	200	450
CWL 3225-27N __	0.027	23	100	1500	220	450
CWL 3225-33N __	0.033	25	100	1400	240	450
CWL 3225-39N __	0.039	25	100	1300	270	450
CWL 3225-47N __	0.047	26	100	1200	300	450
CWL 3225-56N __	0.056	26	100	1100	330	450
CWL 3225-68N __	0.068	27	100	1000	360	450
CWL 3225-82N __	0.082	27	100	900	400	450
CWL 3225-R10 __	0.1	28	100	700	440	450
CWL 3225-R12 __	0.12	30	25.2	500	220	450
CWL 3225-R15 __	0.15	30	25.2	450	250	450
CWL 3225-R18 __	0.18	30	25.2	400	280	450
CWL 3225-R22 __	0.22	30	25.2	350	320	450
CWL 3225-R27 __	0.27	30	25.2	320	360	450
CWL 3225-R33 __	0.33	30	25.2	300	400	450
CWL 3225-R39 __	0.39	30	25.2	250	450	450
CWL 3225-R47 __	0.47	30	25.2	220	500	450
CWL 3225-R56 __	0.56	30	25.2	180	550	450
CWL 3225-R68 __	0.68	30	25.2	160	600	450
CWL 3225-R82 __	0.82	30	25.2	140	650	450

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Part Number	Inductance (μ H)	Q Value	Test Frequency	SRF (MHz)	DC Resistance	Rated Current
		Min	(MHz)	Min	Max. (m)	Max. (mA)
CWL 3225-1R0 __	1	30	7.96	120	700	400
CWL 3225-1R2 __	1.2	30	7.96	100	750	390
CWL 3225-1R5 __	1.5	30	7.96	85	850	370
CWL 3225-2R2 __	2.2	30	7.96	75	1000	320
CWL 3225-2R7 __	2.7	30	7.96	70	1100	290
CWL 3225-3R3 __	3.3	30	7.96	60	1200	260
CWL 3225-3R9 __	3.9	30	7.96	55	1300	250
CWL 3225-4R7 __	4.7	30	7.96	50	1500	220
CWL 3225-5R6 __	5.6	30	7.96	47	1600	200
CWL 3225-6R8 __	6.8	30	7.96	43	1800	180
CWL 3225-8R2 __	8.2	30	7.96	40	2000	170
CWL 3225-100 __	10	30	2.52	36	2100	150
CWL 3225-120 __	12	30	2.52	33	2500	140
CWL 3225-150 __	15	30	2.52	30	2800	130
CWL 3225-180 __	18	30	2.52	27	3300	120
CWL 3225-220 __	22	30	2.52	25	3700	110
CWL 3225-270 __	27	30	2.52	20	5000	80
CWL 3225-330 __	33	30	2.52	17	5600	70
CWL 3225-390 __	39	30	2.52	12	6400	65
CWL 3225-470 __	47	30	2.52	15	7000	60
CWL 3225-560 __	56	30	2.52	16	8000	55
CWL 3225-680 __	68	30	2.52	12	9000	50
CWL 3225-820 __	82	30	2.52	11	10000	45
CWL 3225-101 __	100	20	0.796	10	10000	40
CWL 3225-121 __	120	20	0.796	10	11000	70
CWL 3225-151 __	150	20	0.796	8	15000	65
CWL 3225-181 __	180	20	0.796	7	17000	60
CWL 3225-221 __	220	20	0.796	7	21000	50
CWL 3225-271 __	270	20	0.796	6	22000	45
CWL 3225-331 __	330	20	0.796	5	34000	40

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CWL 4532 Series						
Part Number	Inductance (μ H)	Q Value Min	Test Frequency (MHz)	SRF (MHz) Min	DC Resistance	Rated Current
					Max. (m Ω)	Max. (mA)
CWL 4532-R10 __	0.1	28	25.2	700	440	800
CWL 4532-R12 __	0.12	30	25.2	500	220	770
CWL 4532-R15 __	0.15	30	25.2	450	250	730
CWL 4532-R18 __	0.18	30	25.2	400	280	700
CWL 4532-R22 __	0.22	30	25.2	350	320	665
CWL 4532-R27 __	0.27	30	25.2	320	360	635
CWL 4532-R33 __	0.33	30	25.2	300	400	605
CWL 4532-R39 __	0.39	30	25.2	250	450	575
CWL 4532-R47 __	0.47	30	25.2	220	500	545
CWL 4532-R56 __	0.56	30	25.2	180	550	520
CWL 4532-R68 __	0.68	30	25.2	160	600	500
CWL 4532-R82 __	0.82	30	25.2	140	670	475
CWL 4532-1R0 __	1	50	7.96	100	500	450
CWL 4532-1R2 __	1.2	50	7.96	80	550	430
CWL 4532-1R5 __	1.5	50	7.96	70	600	410
CWL 4532-1R8 __	1.8	50	7.96	60	650	390
CWL 4532-2R2 __	2.2	50	7.96	55	700	380
CWL 4532-2R7 __	2.7	50	7.96	50	750	370
CWL 4532-3R3 __	3.3	50	7.96	45	800	355
CWL 4532-3R9 __	3.9	50	7.96	40	900	330
CWL 4532-4R7 __	4.7	50	7.96	35	1000	315
CWL 4532-5R6 __	5.6	50	7.96	33	1100	300
CWL 4532-6R8 __	6.8	50	7.96	27	1200	285
CWL 4532-8R2 __	8.2	50	7.96	25	1400	270

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Part Number	Inductance (μH)	Q Value	Test Frequency	SRF (MHz)	DC Resistance	Rated Current
		Min	(MHz)	Min	Max. (m Ω)	Max. (mA)
CWL 4532-100 __	10	50	2.52	20	1,600	250
CWL 4532-120 __	12	50	2.52	18	2,000	225
CWL 4532-150 __	15	50	2.52	17	2,500	200
CWL 4532-180 __	18	50	2.52	15	2,800	190
CWL 4532-220 __	22	50	2.52	13	3,200	180
CWL 4532-270 __	27	50	2.52	12	3,600	170
CWL 4532-330 __	33	50	2.52	11	4,000	160
CWL 4532-390 __	39	50	2.52	10	4,500	150
CWL 4532-470 __	47	50	2.52	10	5,000	140
CWL 4532-560 __	56	50	2.52	9	5,500	135
CWL 4532-680 __	68	50	2.52	9	6,000	130
CWL 4532-820 __	82	50	2.52	8	7,000	120
CWL 4532-101 __	100	40	0.796	8	8,000	110
CWL 4532-121 __	120	40	0.796	6	8,000	110
CWL 4532-151 __	150	40	0.796	5	9,000	105
CWL 4532-181 __	180	40	0.796	5	9,500	102
CWL 4532-221 __	220	40	0.796	4	12,000	100
CWL 4532-271 __	270	30	0.796	4	18,000	85
CWL 4532-331 __	330	30	0.796	3.5	20,000	85
CWL 4532-471 __	470	30	0.796	3	26,000	62
CWL 4532-561 __	560	30	0.796	3	30,000	50
CWL 4532-681 __	680	30	0.796	3	40,000	50
CWL 4532-821 __	820	30	0.796	2.5	45,000	30
CWL 4532-102 __	1000	30	0.252	2.5	50,000	30