

# ADB Technology Co., Ltd.

## High Current Wire Wound Common Mode Choke / CWLC

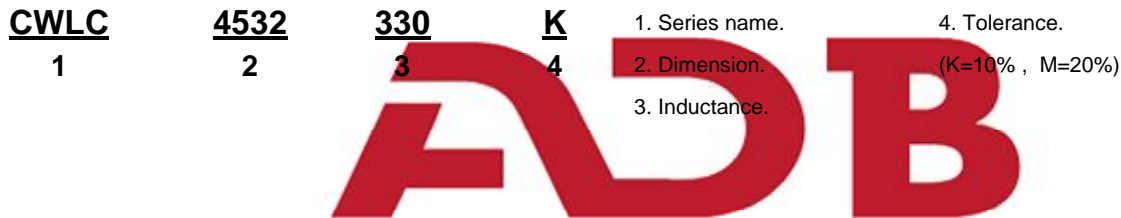
### Feature

Highly reliable and adaptable to reflow soldering.  
 soldering iron or wave soldering.  
 Strong structure and highly accurate dimensions.  
 Highly resistant to mechanical and environmental shock.  
 CWLC-series offers good IDC for power application.

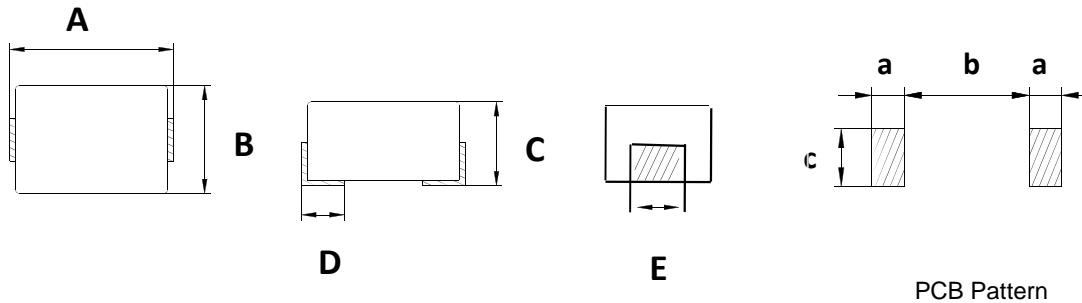
### Application

DC power supply circuit for Pagers, Cordless phones,  
 Hi-Frequency Communication Products, PCs, Disk  
 Drives and computer peripherals, Digital Cameras  
 and other electronic equipments.

### Product Identification



### Configurations & Dimensions



Series Name	A	B	C	D	E	a	b	c
CWLC 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)
CWLC 5650	5.6 ± 0.3	5.0 ± 0.3	3.2 ± 0.3	0.7typ	4.0 ± 0.2	2.0(REF)	4.2(REF)	4.5(REF)

Unit: mm

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## High Current Wire Wound Common Mode Choke / CWLC Series

### Electrical Characteristics

<b>CWLC 4532 Series</b>						
Part Number	Inductance ( $\mu$ H )	Q Value Min	Test Frequency ( MHz )	SRF (MHz) Min	DC Resistance Max. ( m $\Omega$ )	Rated Current Max. ( mA )
CWLC 4532-1R0 __	1	10	7.96	200	110	1050
CWLC 4532-1R2 __	1.2	10	7.96	160	120	1000
CWLC 4532-1R5 __	1.5	10	7.96	130	150	950
CWLC 4532-1R8 __	1.8	10	7.96	100	160	900
CWLC 4532-2R2 __	2.2	10	7.96	60	180	850
CWLC 4532-2R7 __	2.7	10	7.96	60	200	800
CWLC 4532-3R3 __	3.3	10	7.96	45	220	750
CWLC 4532-3R9 __	3.9	10	7.96	40	240	700
CWLC 4532-4R7 __	4.7	10	7.96	35	270	650
CWLC 4532-5R6 __	5.6	10	7.96	30	300	650
CWLC 4532-6R8 __	6.8	10	7.96	28	350	600
CWLC 4532-8R2 __	8.2	10	7.96	25	400	600
CWLC 4532-100 __	10	10	2.52	22	500	550
CWLC 4532-120 __	12	10	2.52	21	600	500
CWLC 4532-150 __	15	10	2.52	20	700	450
CWLC 4532-180 __	18	10	2.52	19	800	400
CWLC 4532-220 __	22	10	2.52	18	900	370
CWLC 4532-270 __	27	10	2.52	16	1200	330
CWLC 4532-330 __	33	10	2.52	14	1400	300
CWLC 4532-390 __	39	10	2.52	12	1600	280
CWLC 4532-470 __	47	10	2.52	11.5	1900	260
CWLC 4532-560 __	56	10	2.52	11	2200	240
CWLC 4532-680 __	68	10	2.52	10	2600	220
CWLC 4532-820 __	82	10	2.52	9	3500	200
CWLC 4532-101 __	100	20	0.796	8	4000	180
CWLC 4532-121 __	120	20	0.796	7.5	4500	160
CWLC 4532-151 __	150	20	0.796	7	6500	140
CWLC 4532-181 __	180	20	0.796	6.5	7500	120
CWLC 4532-221 __	220	20	0.796	5.5	900	120
CWLC 4532-271 __	270	20	0.796	5	1100	100
CWLC 4532-331 __	330	20	0.796	4	1300	90

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## High Current Wire Wound Common Mode Choke / CWLC Series

### Electrical Characteristics

CWLC 5650 Series						
Part Number	Inductance ( $\mu$ H)	Q Value Min	Test Frequency ( MHz )	SRF (MHz) Min	DC Resistance Max. ( m )	Rated Current Max. ( mA )
CWLC 5650-1R0 __	1	10	100	130	50	2900
CWLC 5650-1R5 __	1.5	10	100	115	50	2600
CWLC 5650-2R2 __	2.2	10	100	90	70	2300
CWLC 5650-3R3 __	3.3	10	100	70	80	2000
CWLC 5650-4R7 __	4.7	10	100	50	90	1500
CWLC 5650-6R8 __	6.8	10	100	45	130	1200
CWLC 5650-100 __	10	10	100	35	160	1100
CWLC 5650-150 __	15	10	100	30	230	900
CWLC 5650-220 __	22	10	100	20	370	700
CWLC 5650-330 __	33	10	100	15	510	580
CWLC 5650-470 __	47	10	100	14	640	500
CWLC 5650-680 __	68	10	100	11	860	400
CWLC 5650-101 __	100	10	100	9	1270	300
CWLC 5650-151 __	150	10	100	6	2000	250
CWLC 5650-221 __	220	10	100	5.5	3110	200
CWLC 5650-331 __	330	10	100	5	3800	160
CWLC 5650-471 __	470	10	100	4	6200	150
CWLC 5650-681 __	680	10	100	3	9200	120
CWLC 5650-102 __	1000	10	100	2	13800	70