

# WIRE WOUND FERRITE CHIP INDUCTORS / WCIL TYPE

## FEATURES

- ◆ Very strong solderability by reflow soldering and soldering iron or wave soldering.
- ◆ Highly accurate dimensions can be mounted automatically.
- ◆ Terminals are highly resistant to pull forces.
- ◆ High reliable in environments of sudden temperature change and humidity.
- ◆ Highly resistant to mechanical shocks and pressure.
- ◆ Superior Q characteristics and broadest selections amount peers.

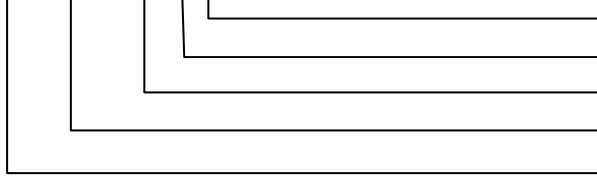


## APPLICATIONS

- ◆ Micro TVs, liquid crystal TVs, video cameras, portable VCRs, car radios, car stereos, thin tape radios, television tuners, mobile telephones, radio and other electronic devices.

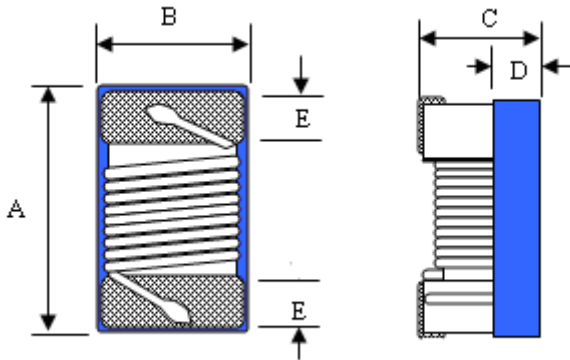
## ORDERING CODE

WCIL 2012 - R12 □-N



Note: lead-free  
Tolerance (J:± 5%, K:±10%)  
Inductance  
Dimension  
Product Symbol

## DIMENSIONS (UNIT: mm)



A	2.40 (MAX)	m/m
B	1.65 (MAX)	m/m
C	1.30 (MAX)	m/m
D	0.65 (REF)	m/m
E	0.44 (REF)	m/m

CORE MASTER ENTERPRISE CO., LTD.

<http://www.coremaster.com.tw>



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### ELECTRICAL CHARACTERISTICS FOR WCIL 2012

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCIL 2012-R12 □-N	0.12	25	25	1000	0.18	1500
WCIL 2012-R15 □-N	0.15	25	25	1000	0.18	1400
WCIL 2012-R18 □-N	0.18	25	25	1000	0.20	1400
WCIL 2012-R22 □-N	0.22	25	25	830	0.25	1350
WCIL 2012-R27 □-N	0.27	25	25	800	0.38	1300
WCIL 2012-R33 □-N	0.33	25	25	750	0.35	1200
WCIL 2012-R39 □-N	0.39	25	25	700	0.35	1160
WCIL 2012-R47 □-N	0.47	25	25	690	0.40	1100
WCIL 2012-R56 □-N	0.56	25	25	640	0.40	1040
WCIL 2012-R62 □-N	0.62	25	25	640	0.45	980
WCIL 2012-R68 □-N	0.68	25	25	510	0.50	900
WCIL 2012-R82 □-N	0.82	25	25	500	0.50	900
WCIL 2012-R91 □-N	0.91	25	25	500	0.55	900
WCIL 2012-1R0 □-N	1.00	7.9	7.9	470	0.60	840
WCIL 2012-1R2 □-N	1.20	7.9	7.9	400	0.75	800
WCIL 2012-1R5 □-N	1.50	7.9	7.9	400	1.00	720
WCIL 2012-1R8 □-N	1.80	7.9	7.9	230	1.00	660
WCIL 2012-2R2 □-N	2.20	7.9	7.9	200	1.05	600
WCIL 2012-2R7 □-N	2.70	7.9	7.9	130	1.18	500
WCIL 2012-3R3 □-N	3.30	7.9	7.9	160	1.26	480
WCIL 2012-3R9 □-N	3.90	7.9	7.9	130	1.75	440
WCIL 2012-4R7 □-N	4.70	7.9	7.9	120	1.87	390
WCIL 2012-5R6 □-N	5.60	7.9	7.9	90	2.00	340
WCIL 2012-6R8 □-N	6.80	7.9	7.9	55	2.15	300
WCIL 2012-8R2 □-N	8.20	7.9	7.9	40	2.37	280
WCIL 2012-100 □-N	10.0	2.5	2.5	40	2.55	260
WCIL 2012-120 □-N	12.0	2.5	2.5	37	2.80	220
WCIL 2012-150 □-N	15.0	2.5	2.5	30	3.80	200
WCIL 2012-180 □-N	18.0	2.5	2.5	23	4.48	180
WCIL 2012-220 □-N	22.0	2.5	2.5	20	6.30	160
WCIL 2012-270 □-N	27.0	2.5	2.5	19	6.85	140
WCIL 2012-330 □-N	33.0	2.5	2.5	18	7.60	120