

# SPECIFICATION OF WCM-2012 SERIES

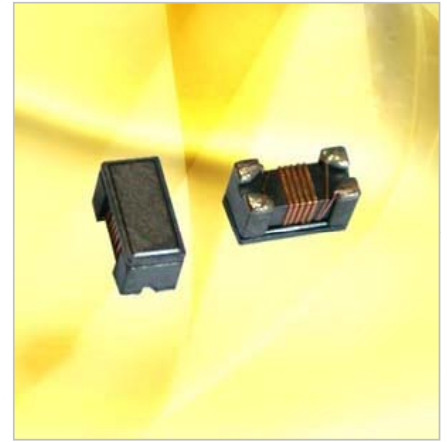
## FEATURES

Lowprofile and very small size SMD Design,  
Wound Chip constructure with standard 0805  
to 1812 size, with best EMI suppression effect  
but least impact to data signal wave form.



## APPLICATIONS

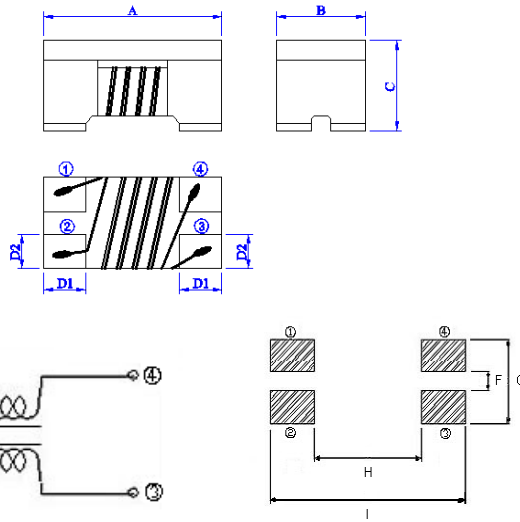
Preventive measure against high speed signal  
radiation emissions such as USB 2.0,  
IEEE1394 or LAN interface.  
Best for NB, DSC, mobile device design.



## ORDERING CODE

**WCM-2012-900 T**  
(1) (2) (3) (4)

- (1) PRODUCT TYPE CODE
- (2) PRODUCT SIZE CODE
- (3) IMPEDANCE
- (4) TAPING



## APPEARANCE & DIMENSIONS

UNIT:mm (inch)

SIZE CODE	A	B	C	D1 TYP	D2 TYP	F TYP	G TYP	H TYP	I TYP		
WCM-2012 (0805)	2.00±0.20 (0.079±0.008)	1.20±0.20 (0.047±0.008)	1.20±0.20 (0.047±0.008)	0.45 (0.018)	0.40 (0.016)	0.40 (0.016)	1.20 (0.047)	0.80 (0.031)	2.60 (0.102)		
WCM-2520 (1008)	2.50±0.20 (0.098±0.008)	2.00±0.20 (0.079±0.008)	1.20±0.20 (0.047±0.008)	0.50 (0.020)	0.70 (0.028)	0.50 (0.020)	2.10 (0.083)	1.50 (0.063)	3.10 (0.146)		
WCM-3216 (1206)	3.20±0.20 (0.126±0.008)	1.60±0.20 (0.063±0.008)	2.00±0.20 (0.079±0.008)	0.60 (0.024)	0.60 (0.024)	0.40 (0.016)	1.60 (0.063)	1.60 (0.063)	3.70 (0.146)		
WCM-3225 (1210)	3.30±0.20 (0.129±0.008)	2.60±0.20 (0.102±0.008)	2.50±0.15 (0.098±0.008)	0.50 (0.020)	0.90 (0.035)	0.60 (0.023)	3.50 (0.137)	1.60 (0.063)	4.00 (0.157)		
WCM-4525 (1810)	4.80±0.20 (0.189±0.008)	2.80±0.20 (0.110±0.008)	2.20+0.35(-0.20) (0.087+0.0137-0.0078)	0.75 (0.030)	0.75 (0.030)	0.70 (0.027)	2.70 (0.106)	3.00 (0.118)	5.50 (0.216)		
WCM-4532 (1812)	4.50±0.20 (0.177±0.008)	3.20±0.20 (0.126±0.008)	2.80+0.35(-0.20) (0.110+0.0137-0.0078)	1.00 (0.039)	1.00 (0.039)	0.40 (0.016)	3.60 (0.141)	2.10 (0.082)	4.90 (0.192)		
WCM-453226 (1812)	4.50±0.20 (0.177±0.008)	3.20±0.20 (0.126±0.008)	2.60+0.45(-0.20) (0.102+0.0177-0.0078)	1.00 (0.039)	1.00 (0.039)	0.40 (0.016)	3.60 (0.141)	2.10 (0.082)	4.90 (0.192)		

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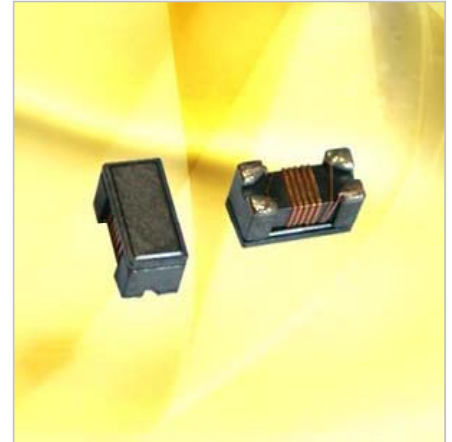
## FEATURES

Lowprofile and very small size SMD Design,  
Wound Chip constructure with standard 0805  
to 1812 size, with best EMI suppression effect  
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## APPLICATIONS

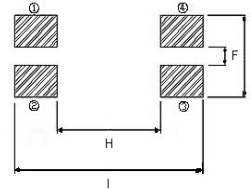
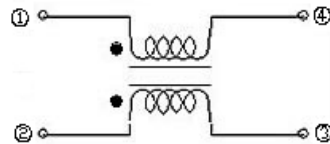
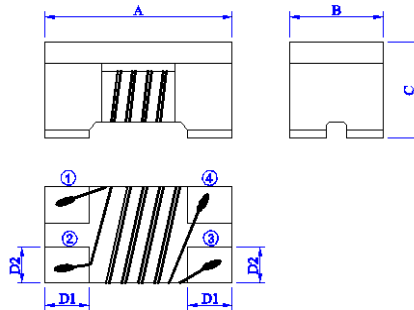
Preventive measure against high speed signal  
radiation emissions such as USB 2.0,  
IEEE1394 or LAN interface.  
Best for NB, DSC, mobile device design.



## ORDERING CODE

WCM-2012-900 T  
(1) (2) (3) (4)

- (1) PRODUCT TYPE CODE
- (2) PRODUCT SIZE CODE
- (3) IMPEDANCE
- (4) TAPING



## APPEARANCE & DIMENSIONS

UNIT:mm (inch)

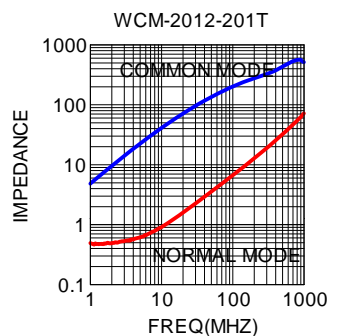
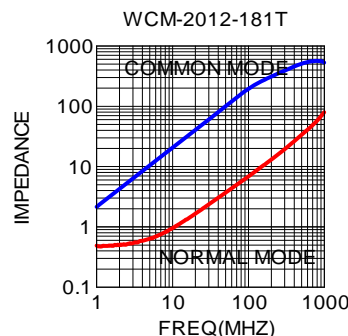
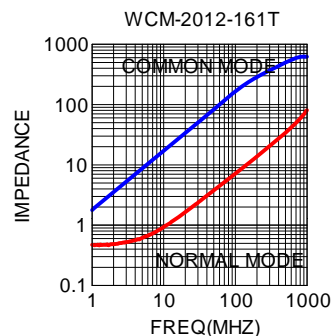
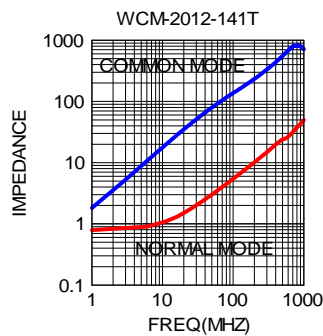
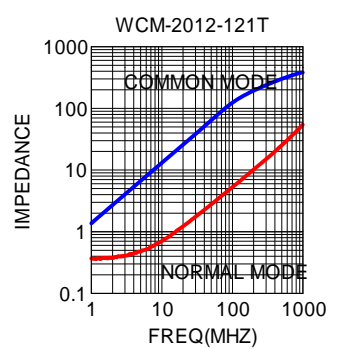
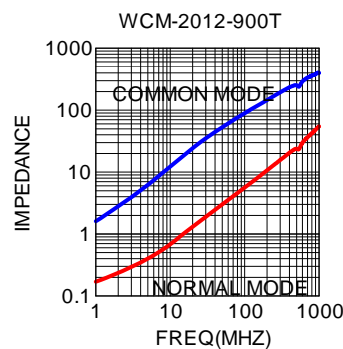
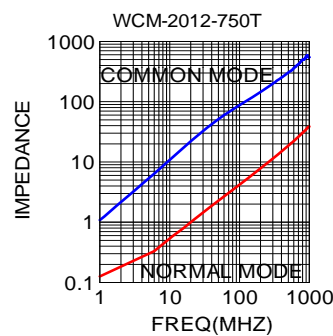
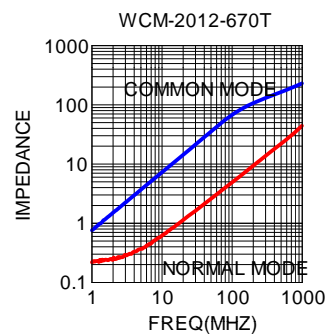
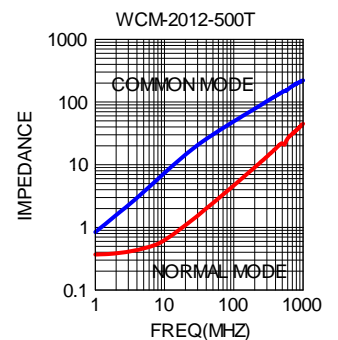
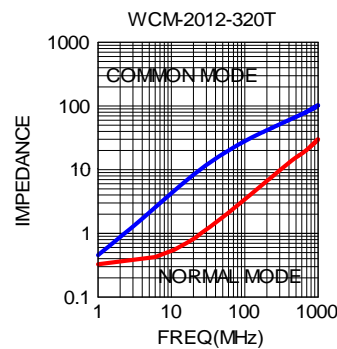
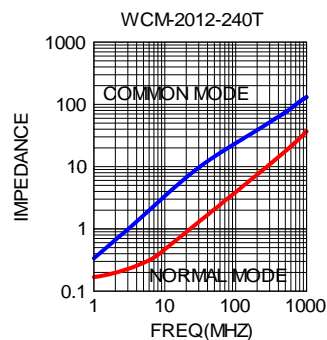
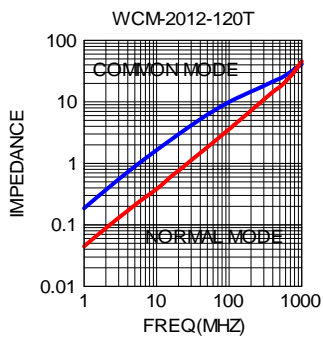
SIZE CODE	A	B	C	D1 TYP	D2 TYP	F TYP	G TYP	H TYP	I TYP		
WCM-453228 (1812)	4.50±0.20 (0.177±0.008)	3.20±0.20 (0.126±0.008)	2.80+0.35(-0.20) (0.110+0.0137-0.0078)	1.00 (0.039)	1.00 (0.039)	0.40 (0.016)	3.60 (0.141)	2.10 (0.082)	4.90 (0.192)		

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# COMMON MODE CHOKE → WCM-2012 SERIES

## ELECTRICAL CHARACTERISTICS

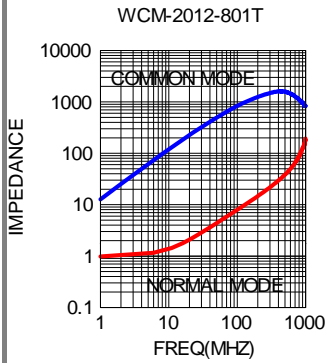
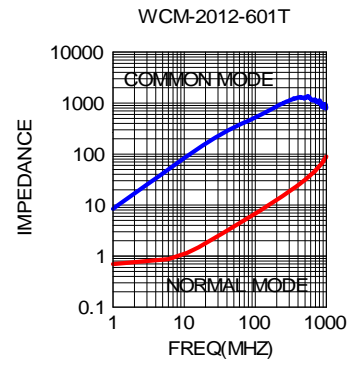
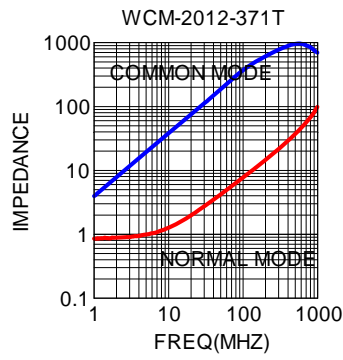
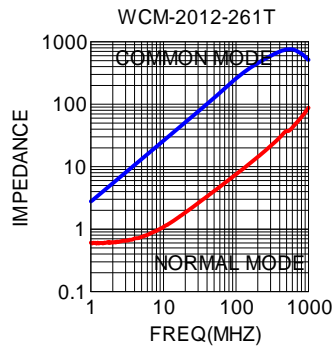
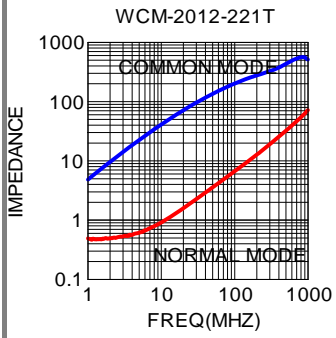
ORDERING CODE	Impedance (Ω)	Tolerance ±%	Test Frequency (MHz)	DC Resistance (Ω)max	IDC (mA)max
WCM-2012-120T	12	25%	100	0.20	450
WCM-2012-240T	24	25%	100	0.25	420
WCM-2012-320T	32	25%	100	0.25	400
WCM-2012-500T	50	25%	100	0.25	400
WCM-2012-670T	67	25%	100	0.25	400
WCM-2012-750T	75	25%	100	0.70	280
WCM-2012-900T	90	25%	100	0.30	400
WCM-2012-121T	120	25%	100	0.30	370
WCM-2012-141T	140	25%	100	0.32	360
WCM-2012-161T	160	25%	100	0.35	350
WCM-2012-181T	180	25%	100	0.35	330
WCM-2012-201T	200	25%	100	0.40	300
WCM-2012-221T	220	25%	100	0.40	300
WCM-2012-261T	260	25%	100	0.40	300
WCM-2012-371T	370	25%	100	0.45	280
WCM-2012-601T	600	25%	100	0.80	230
WCM-2012-801T	800	25%	100	0.90	220



\*Design as Customer's Requested Specifications.

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※IDC: Based on Temperature increase 40°C

※Operating temperature range : -25 to +85°C (including self-generated heat)

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