

SPECIFICATION OF WCM - LOW PROFILE SERIES

FEATURES

Special very Lowprofile and small size design,
Wound chip construction with standard 0805
or 0603 size, with best EMI suppression effect
at higher frequency 500MHz~up.

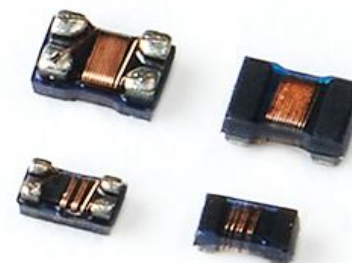
And least impact to signal wave form.



APPLICATIONS

Preventive measure against high speed signal
radiation emissions such as USB 2.0,
IEEE1394 or LAN interface.

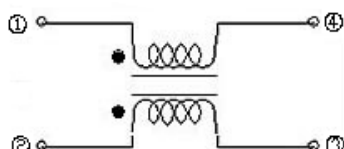
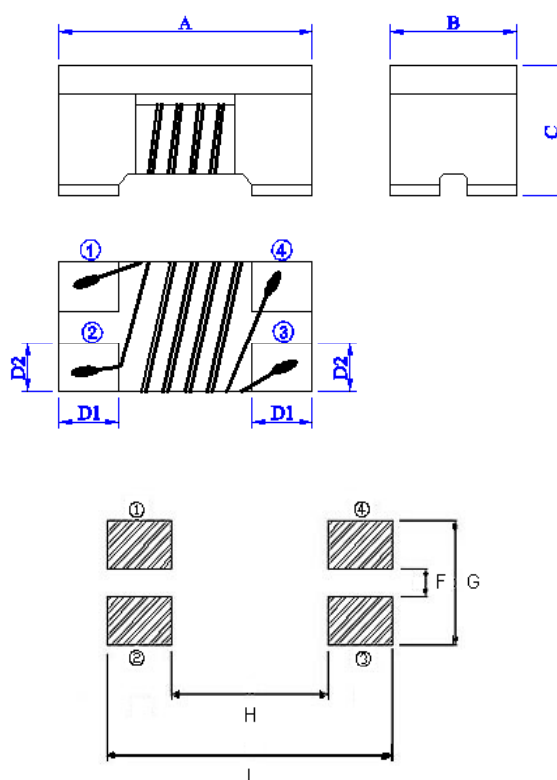
Best for NB, DSC, mobile device design.



ORDERING CODE

WCM - 201209 - 900 T
(1) (2) (3) (4)

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



APPEARANCE & DIMENSIONS

UNIT:mm (inch)

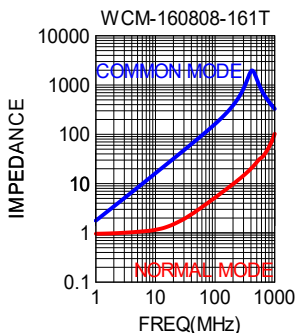
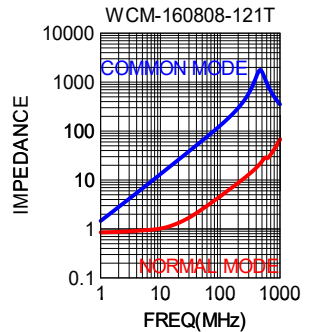
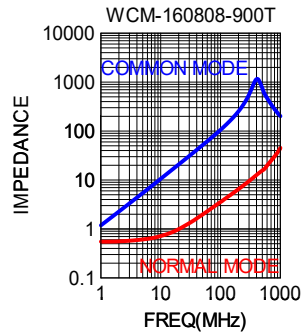
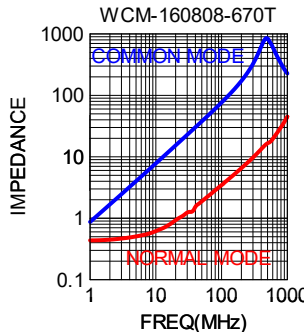
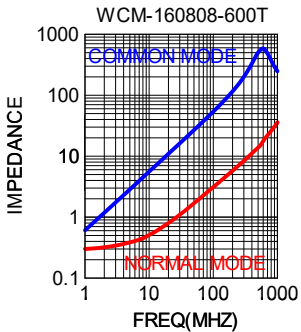
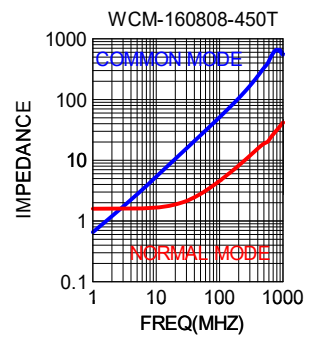
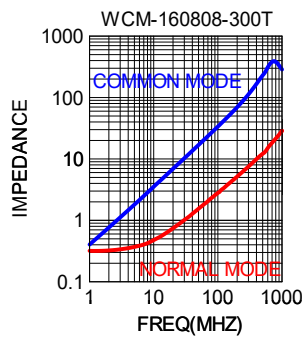
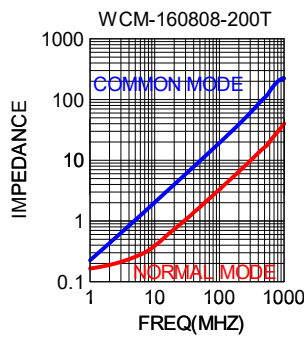
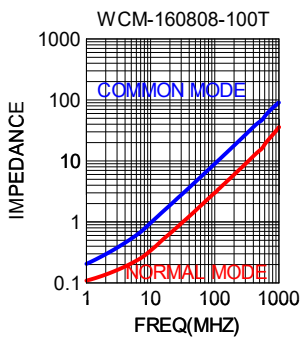
SIZE CODE	A	B	C	D1 TYP	D2 TYP	F TYP	G TYP	H TYP	I TYP
WCM-160808 (0603)	1.60±0.20 (0.063±0.008)	0.80±0.30 (0.031±0.012)	0.80±0.20 (0.031±0.008)	0.30 (0.012)	0.30 (0.012)	0.30 (0.012)	1.00 (0.039)	0.70 (0.028)	2.10 (0.083)
WCM-201209 (0805)	2.00±0.20 (0.079±0.008)	1.20±0.30 (0.047±0.012)	0.90±0.20 (0.035±0.008)	0.45 (0.018)	0.40 (0.016)	0.40 (0.016)	1.20 (0.047)	0.80 (0.031)	2.60 (0.102)

※All the data listed in this catalogue are for reference only, King Core reserves the right to alter or revise the specifications without prior notification.

COMMON MODE CHOKE → WCM-160808 SERIES

ELECTRICAL CHARACTERISTICS

ORDERING CODE	Impedance (Ω)	Tolerance ±%	Test Frequency (MHz)	DC Resistance (Ω)max	Rated Current (mA)max
WCM-160808-100T	10	25%	100	0.30	500
WCM-160808-200T	20	25%	100	0.40	400
WCM-160808-300T	30	25%	100	0.45	350
WCM-160808-450T	45	25%	100	0.50	300
WCM-160808-600T	60	25%	100	0.50	300
WCM-160808-670T	67	25%	100	0.50	300
WCM-160808-900T	90	25%	100	0.55	250
WCM-160808-121T	120	25%	100	0.80	200
WCM-160808-161T	160	25%	100	0.80	200



※IDC:Based on Temperature increase 40℃

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

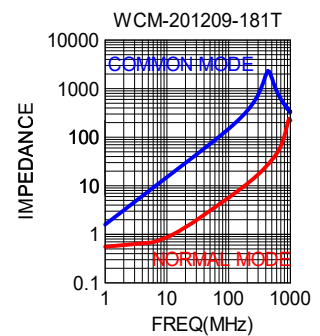
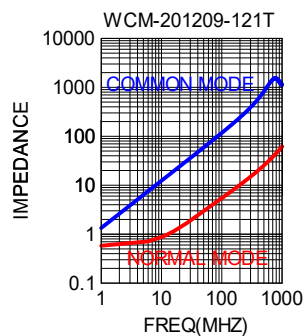
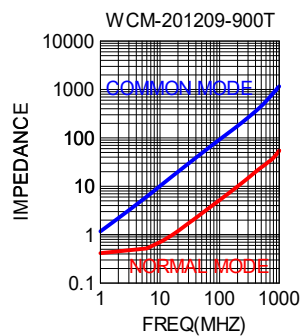
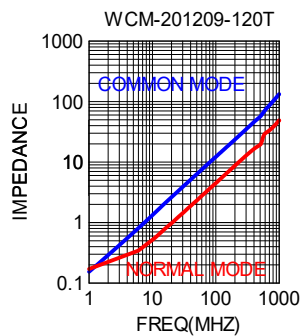
*Design as Customer's Requested Specifications.

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COMMON MODE CHOKE → WCM-201209 SERIES

ELECTRICAL CHARACTERISTICS

ORDERING CODE	Impedance (Ω)	Tolerance $\pm\%$	Test Frequency (MHz)	DC Resistance (Ω)max	Rated Current (mA)max
WCM-201209-120T	12	25%	100	0.25	500
WCM-201209-900T	90	25%	100	0.35	400
WCM-201209-121T	120	25%	100	0.40	500
WCM-201209-181T	180	25%	100	0.50	250



※IDC:Based on Temperature increase 40℃

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

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