

# SPECIFICATION OF HWCM 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

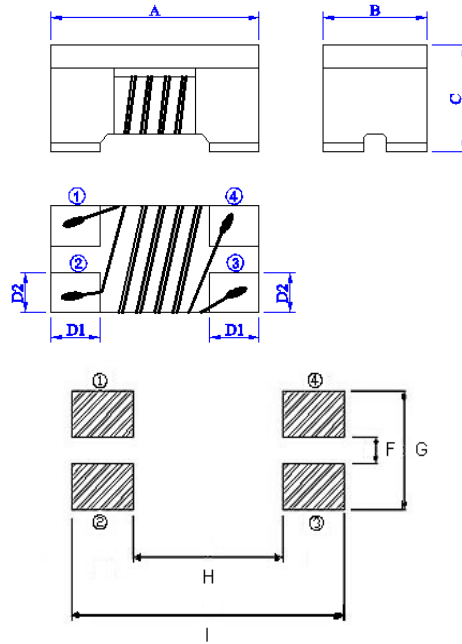
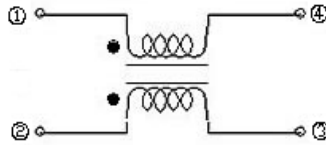
Preventive measure against high speed signal  
radiation emissions such as USB 2.0,  
IEEE1394 or LAN interface.  
Best for NB, DSC, mobile device design.



## ORDERING CODE

HWCM - 2012 - 600 T  
(1)            (2)            (3)    (4)

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



## APPEARANCE & DIMENSIONS

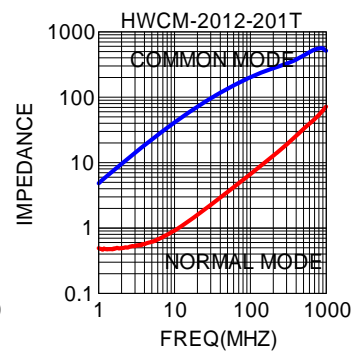
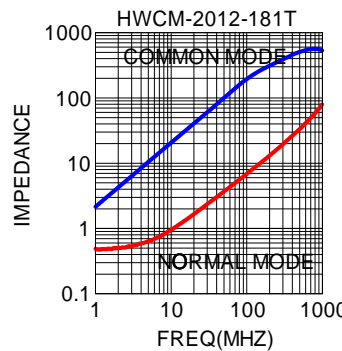
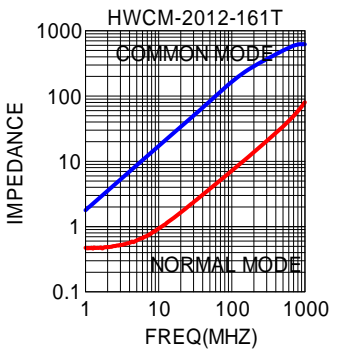
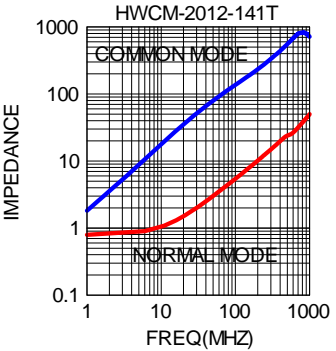
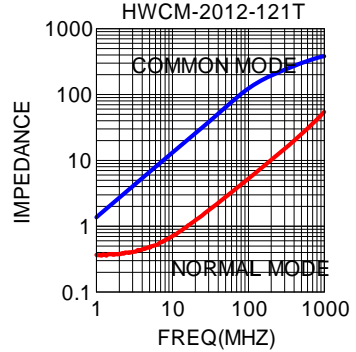
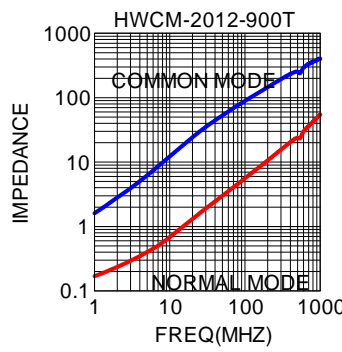
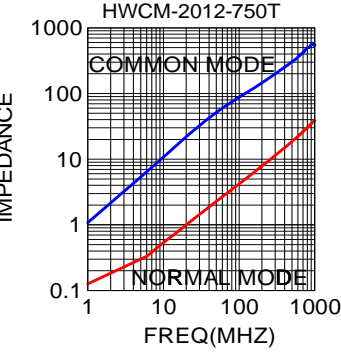
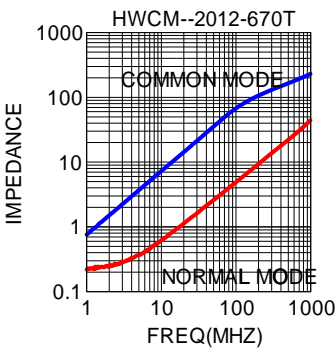
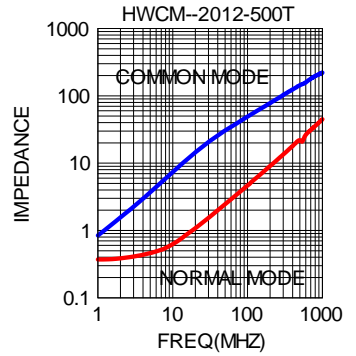
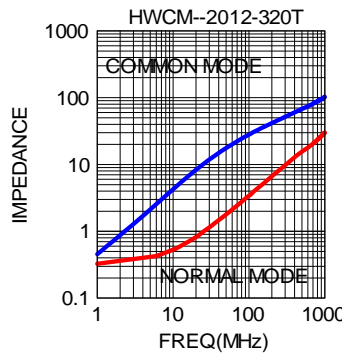
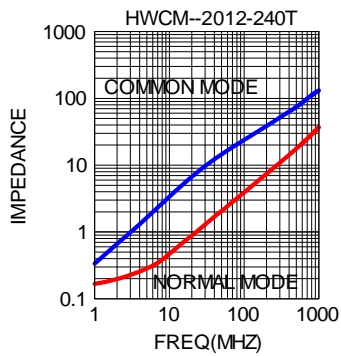
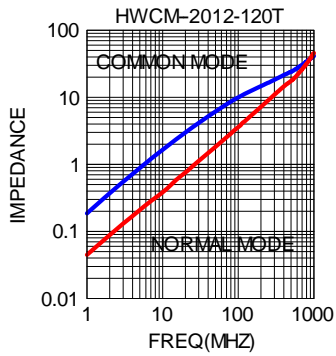
UNIT:mm (inch)

SIZE CODE	A	B	C	D1 TYP	D2 TYP	F TYP	G TYP	H TYP	I TYP		
HWCM-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)		
HWCM-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)		
HWCM-4525 1810	4.80±0.20 (0.189±0.008)	2.80±0.20 (0.110±0.008)	2.20±0.20 (0.087±0.008)	0.75 (0.030)	0.75 (0.030)	0.70 (0.027)	2.70 (0.106)	3.00 (0.118)	5.50 (0.216)		
HWCM-4532 1812	4.50±0.20 (0.177±0.008)	3.20±0.20 (0.126±0.008)	2.80±0.30 (0.110±0.008)	1.00 (0.039)	1.00 (0.039)	0.40 (0.016)	3.60 (0.141)	2.10 (0.082)	4.90 (0.192)		

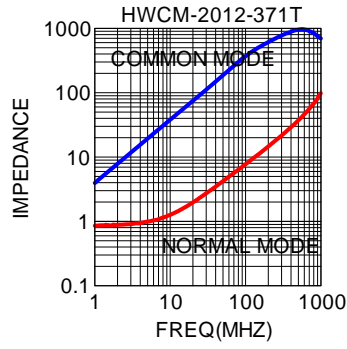
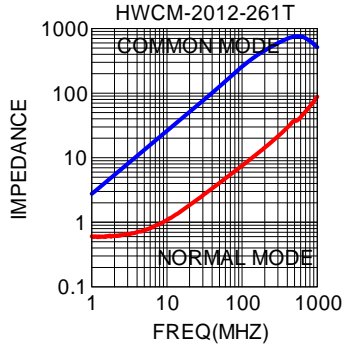
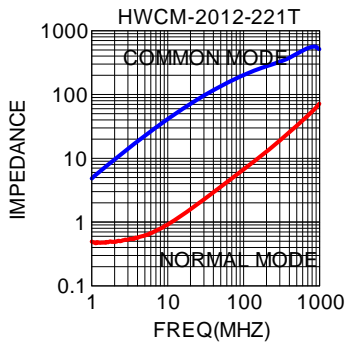
# COMMON MODE CHOKE → HWCM-2012 SERIES

## ELECTRICAL CHARACTERISTICS

ORDERING CODE	Impedance (Ω)	Tolerance ±%	Test Frequency (MHz)	DC Resistance (Ω)max	Rated Current (mA)max
HWCM-2012-120T	12	25%	100	0.20	450
HWCM-2012-240T	24	25%	100	0.25	420
HWCM-2012-320T	32	25%	100	0.25	400
HWCM-2012-500T	50	25%	100	0.25	400
HWCM-0805-670T	67	25%	100	0.25	400
HWCM-2012-750T	75	25%	100	0.70	280
HWCM-2012-900T	90	25%	100	0.30	400
HWCM-2012-121T	120	25%	100	0.30	370
HWCM-2012-141T	140	25%	100	0.32	360
HWCM-2012-161T	160	25%	100	0.35	350
HWCM-2012-181T	180	25%	100	0.35	330
HWCM-2012-201T	200	25%	100	0.40	300
HWCM-2012-221T	220	25%	100	0.40	300
HWCM-2012-261T	260	25%	100	0.40	300
HWCM-2012-371T	370	25%	100	0.45	280



# COMMON MODE CHOKE → HWCM-2012 SERIES



HaoHuaKe Technology Co., Ltd. Tel:0755-2101 7581 QQ: 2606 3546 22  
302, factory building No.1, fangmapu Xinfang street, Guihua community, Longhua District,  
Shenzhen, China

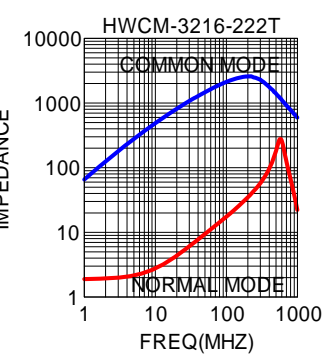
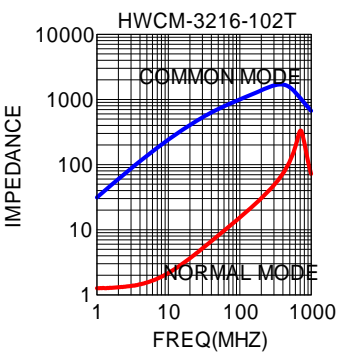
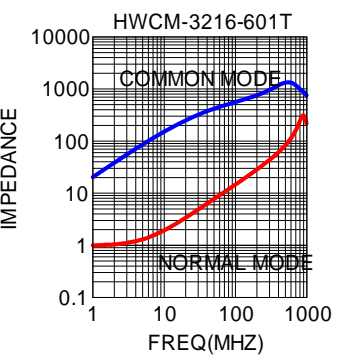
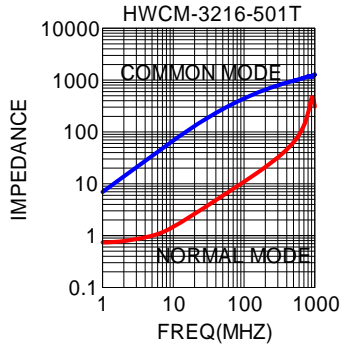
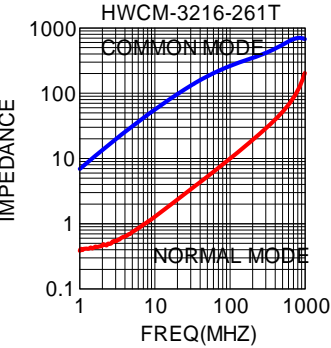
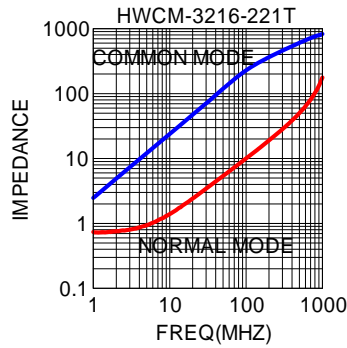
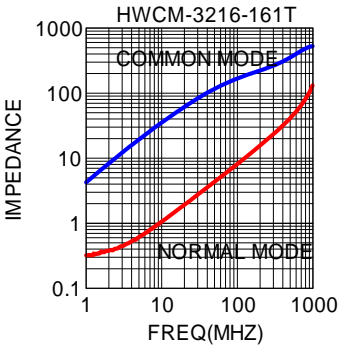
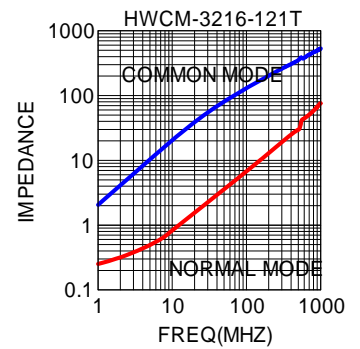
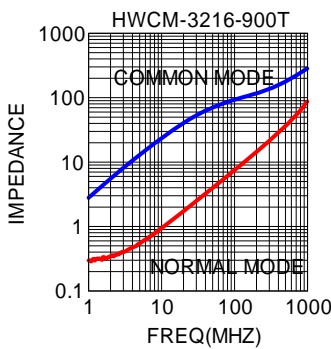
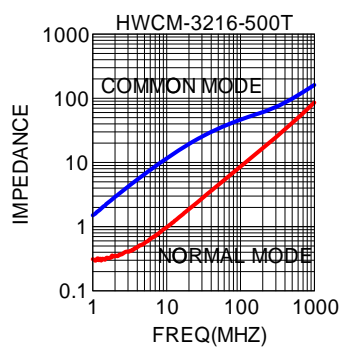
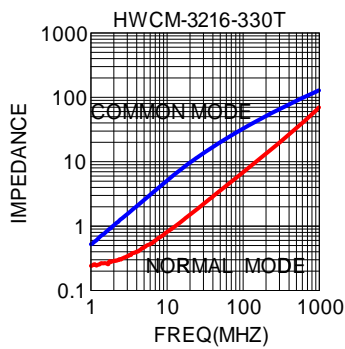
E-mail: hhk\_shenzhen@126.com

Web Site:  
<http://www.haohuake.cn>

# COMMON MODE CHOKE → HWCM-3216 SERIES

## ELECTRICAL CHARACTERISTICS

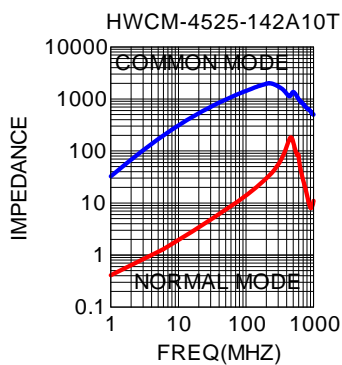
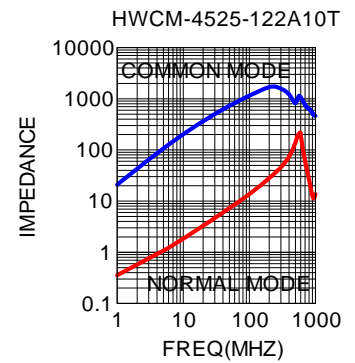
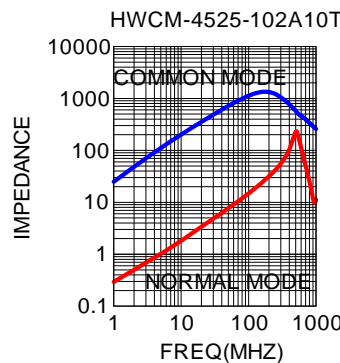
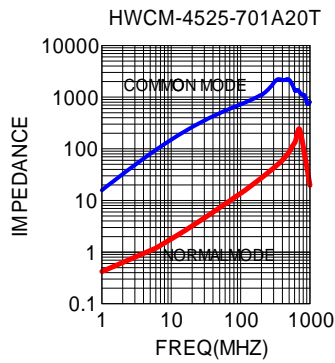
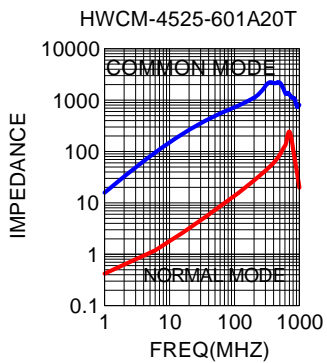
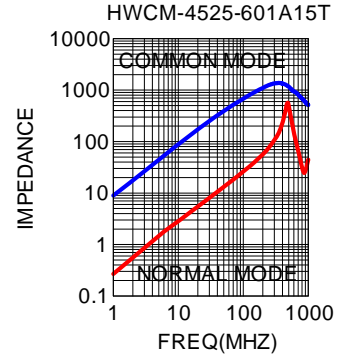
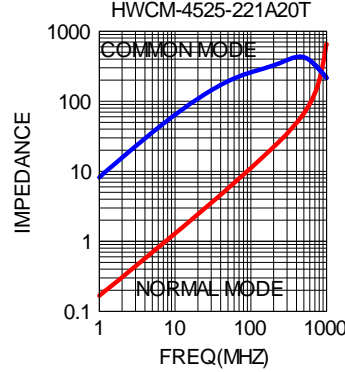
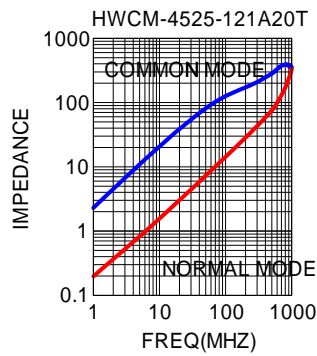
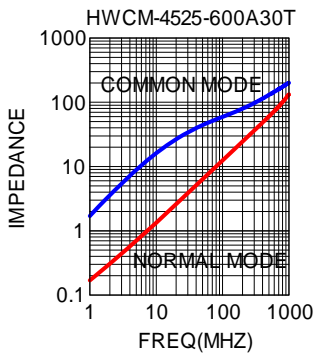
ORDERING CODE	Impedance (Ω)	Tolerance ±%	Test Frequency (MHz)	DC Resistance (Ω)max	Rated Current (mA)max
HWCM-3216-330T	33	25%	100	0.20	400
HWCM-3216-500T	50	25%	100	0.25	400
HWCM-3216-900T	90	25%	100	0.30	400
HWCM-3216-121T	120	25%	100	0.30	400
HWCM-3216-161T	160	25%	100	0.40	350
HWCM-3216-221T	220	25%	100	0.45	300
HWCM-3216-261T	260	25%	100	0.50	310
HWCM-3216-501T	500	25%	100	0.80	260
HWCM-3216-601T	600	25%	100	0.80	260
HWCM-3216-102T	1000	25%	100	1.00	250
HWCM-3216-222T	2200	25%	100	1.20	200



# COMMON MODE CHOKE → HWCM-4525 SERIES

## ELECTRICAL CHARACTERISTICS

ORDERING CODE	Impedance (Ω)	Tolerance ±%	Test Frequency (MHz)	DC Resistance (Ω)max	Rated Current (mA)max
HWCM-4525-600A30T	60	25%	100	0.10	3000
HWCM-4525-121A20T	120	25%	100	0.20	2000
HWCM-4525-221A20T	220	25%	100	0.20	2000
HWCM-4525-601A15T	600	25%	100	0.30	1500
HWCM-4525-601A20T	600	25%	100	0.20	2000
HWCM-4525-701A20T	700	25%	100	0.15	2000
HWCM-4525-102A10T	1000	25%	100	0.40	1000
HWCM-4525-122A10T	1200	25%	100	0.40	1000
HWCM-4525-142A10T	1400	25%	100	0.40	1000



# COMMON MODE CHOKE → HWCM-4532 SERIES

## ELECTRICAL CHARACTERISTICS

ORDERING CODE	Impedance (Ω)	Tolerance ±%	Test Frequency (MHz)	DC Resistance (Ω)max	Rated Current (mA)max
HWCM-4532-900A40T	90	25%	100	0.050	4000
HWCM-4532-231A35T	230	25%	100	0.051	3500
HWCM-4532-421A32T	420	25%	100	0.052	3200
HWCM-4532-601A25T	600	25%	100	0.065	2500
HWCM-4532-801A23T	800	25%	100	0.100	2300
HWCM-4532-901A22T	900	25%	100	0.100	2200
HWCM-4532-102A21T	1000	25%	100	0.110	2100
HWCM-4532-142A20T	1400	25%	100	0.120	2000

