

SPECIFICATION OF WCM -453226 SERIES

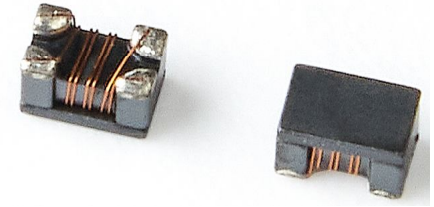
FEATURES

From big to lowprofile and very small size SMD Design,
Wound Chip constructure with standard 0504, 0603, 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 and Power Line.
Best for NB, DSC, mobile device design.
WCM-453226/28 type is for automobile CAN bus design.

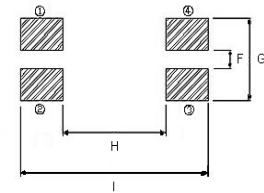
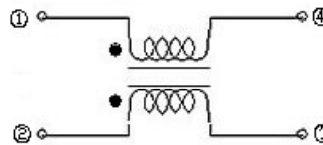
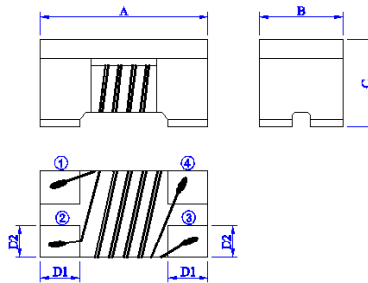


ORDERING CODE

WCM-453226-110Y T 04

(1) (2) (3) (4)(5)

- (1) PRODUCT TYPE CODE
- (2) PRODUCT SIZE CODE
- (3) INDUCTANCE
- (4) TAPING
- (5) REF CODE



APPEARANCE & DIMENSIONS

UNIT:mm (inch)

SIZE CODE	A	B	C	D1 TYP	D2 TYP	F TYP	G TYP	H TYP	I TYP		
WCM-1210 (0504)	1.20±0.20 (0.047±0.008)	1.00±0.20 (0.039±0.008)	0.90±0.20 (0.035±0.008)	0.36 (0.014)	0.38 (0.015)	0.30 (0.012)	1.20 (0.047)	0.60 (0.024)	1.50 (0.059)		
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)		

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SPECIFICATION OF WCM SERIES

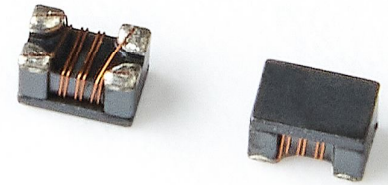
FEATURES

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

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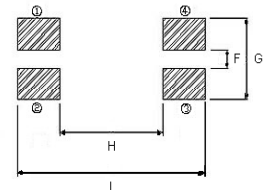
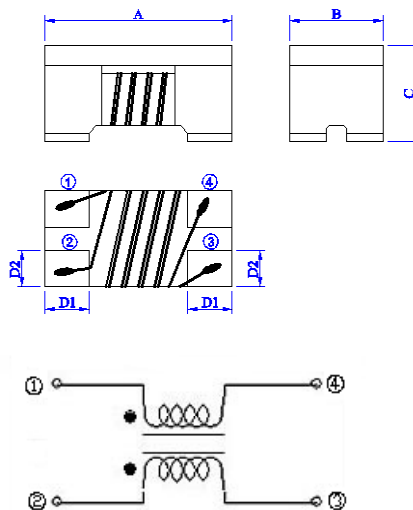


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APPEARANCE & DIMENSIONS

UNIT:mm (inch)

SIZE CODE	A	B	C	D1 TYP	D2 TYP	F TYP	G TYP	H TYP	I TYP		
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)		
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)		

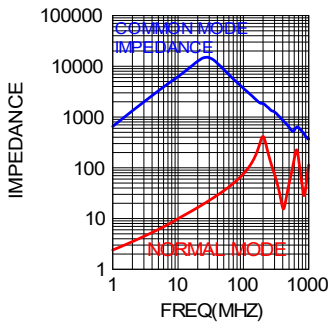
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COMMON MODE CHOKE → WCM-453226 SERIES

ELECTRICAL CHARACTERISTICS

ORDERING CODE	INDUCTANCE (μ H) 100KHz/100mV	IMPEDANCE (Ω)TYP 10MHz	DC Resistance (Ω) max	IDC (mA) max	Rated Voltage V (DC)	Insulation Resistance ($m\Omega$) min
WCM-453226-101YT04	100+50(-30)%	5800	2.0	150	50	10

WCM-453226-101YT04



- ※IDC:Based on Temperature increase 40°C
- ※Operating temperature range : -25 to +85°C (including self-generated heat)
- * Design as Customer's Requested Specifications.

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