

SPECIFICATION OF WCMxxxxSE,SEF SERIES

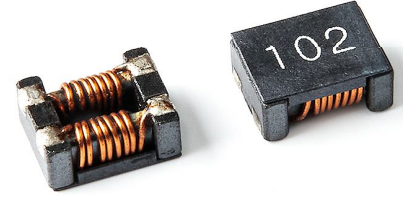
FEATURES

From big to small size SMD Design,
Wire wound constructure common mode choke
with best EMI suppression effect high impedance
but very high rated current and low RDC



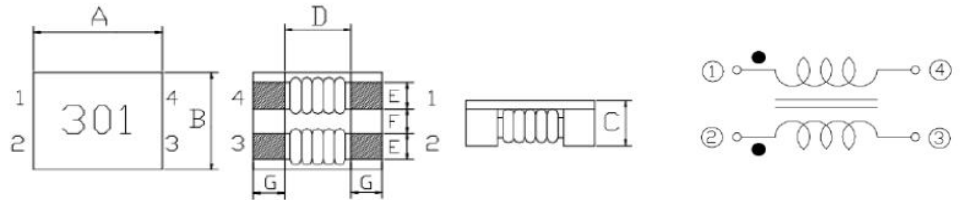
APPLICATIONS

Preventive measure against common mode noise
radiation emissions from DC power line and power supply line
Best for high current circuit such as car, multi media equipment
wireless charging and various electronic devices

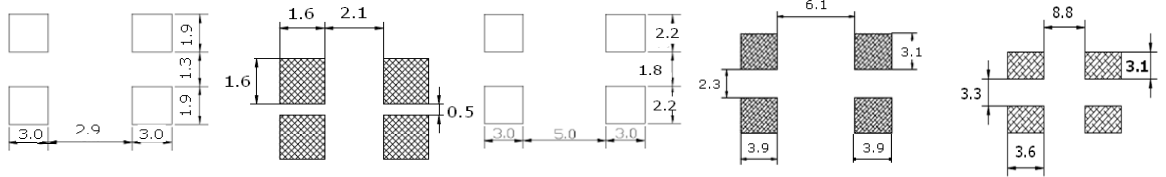


ORDERING CODE

WCM- 4520SEF -301 T
(1) (2) (3) (4)



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



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7060 PAD LAYOUT

4520 PAD LAYOUT

9070 PAD LAYOUT

1211 PAD LAYOUT

1513 PAD LAYOUT

APPEARANCE & DIMENSIONS

UNIT:mm (inch)

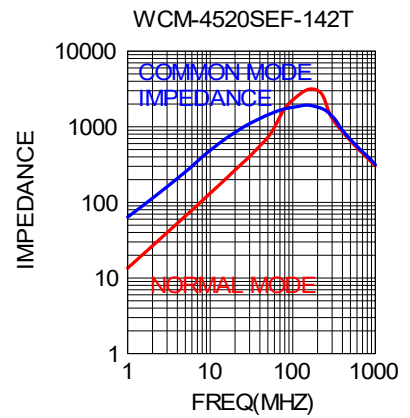
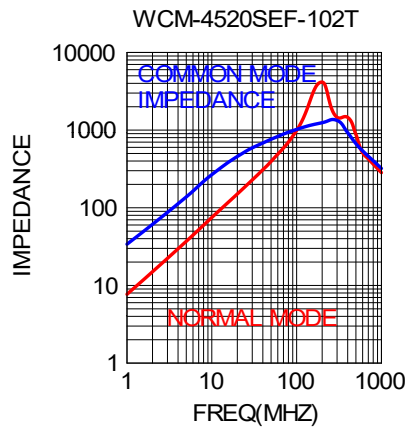
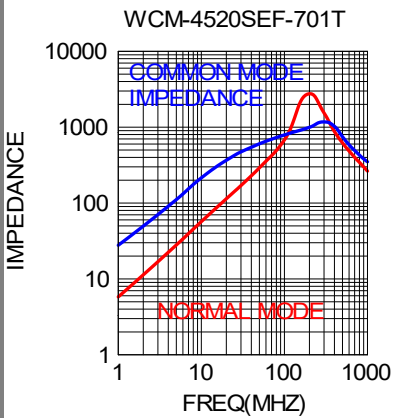
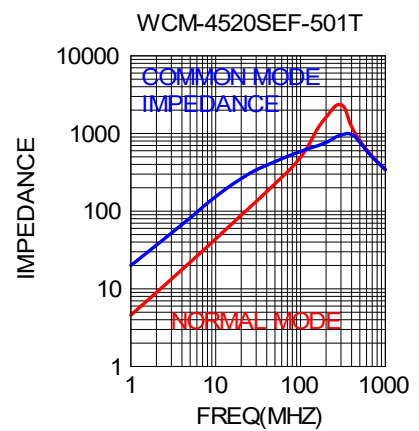
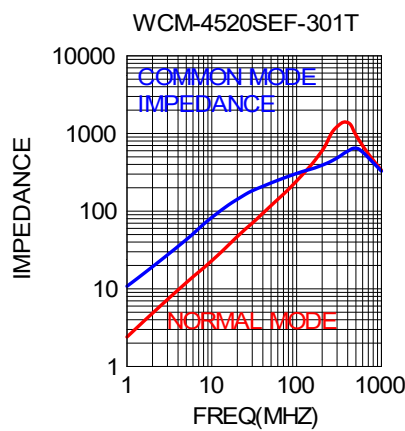
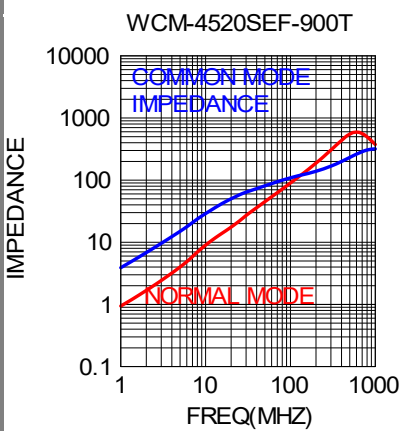
SIZE CODE	A	B	C	D	E	F	G
WCM-7060SE	7.0±0.5	6.0±0.5	4.0max	3.5 REF	1.5 REF	1.5 REF	1.7 REF
WCM-4520SEF	4.7±0.5	4.5±0.5	2.4max	2.7REF	1.15REF	0.85REF	1.0REF
WCM-9070SEF	9.0±0.5	7.0±0.5	5.0max	5.7 REF	1.5 REF	2.0 REF	1.7 REF
WCM-1211SEF	12.0±0.5	10.8±0.5	6.6max	7.0 REF	2.7 REF	2.5 REF	2.5 REF
WCM-1513SEF	15.0±0.5	13.0±0.5	6.6max	9.4REF	2.6REF	3.6REF	3.0REF

※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 → WCM4520SE SERIES

ELECTRICAL CHARACTERISTICS

ORDERING CODE	Impedance (Ω)min	DC Resistance (mΩ)	IDC (A)	Rated Voltage V(DC)	Insulation Resistance (MΩ)
	100MHz	max	max	max	min
WCM-4520SEF-900T	30	35.0	3.2	50	10
WCM-4520SEF-301T	180	39.0	3.0	50	10
WCM-4520SEF-501T	300	55.0	2.4	50	10
WCM-4520SEF-701T	500	59.0	2.2	50	10
WCM-4520SEF-102T	800	68.0	2.1	50	10
WCM-4520SEF-142T	1200	81.0	1.9	50	10



※IDC: Based on Temperature increase 40°C

※Operating temperature range : -40 to +125°C (including self-generated heat)

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