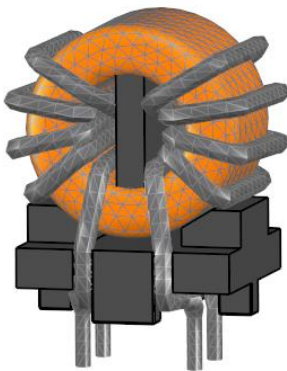
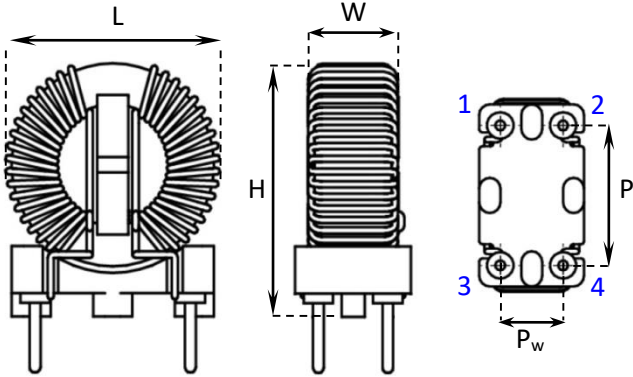
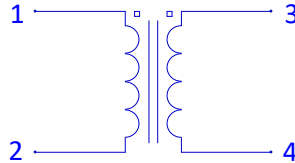
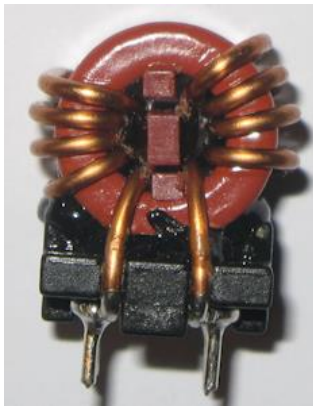





Design Overview		Properties		Model Information																					
Manufacturer of the original component: Würth Elektronik eiSos GmbH & Co. KG		<table><tr><th colspan="2">Geometry parameters [mm]</th></tr><tr><td>Max. dimensions, W × H × L</td><td>14.5 × 18.5 × 22</td></tr><tr><td>Distance between pins, P_l</td><td>7.7</td></tr><tr><td>Distance between pins, P_w</td><td>5</td></tr><tr><td>Core dimensions</td><td>14.4 × 7.6 × 9.4</td></tr><tr><td>Core chamfer</td><td>0.7</td></tr><tr><td>Length of pins</td><td>3.5</td></tr><tr><td>Diameter of pins</td><td>1</td></tr><tr><td>Diameter of winding wire</td><td>1.3</td></tr><tr><td>Number of turns per winding</td><td>4</td></tr></table>		Geometry parameters [mm]		Max. dimensions, W × H × L	14.5 × 18.5 × 22	Distance between pins, P _l	7.7	Distance between pins, P _w	5	Core dimensions	14.4 × 7.6 × 9.4	Core chamfer	0.7	Length of pins	3.5	Diameter of pins	1	Diameter of winding wire	1.3	Number of turns per winding	4		
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		<table><tr><th colspan="2">Electrical parameters</th></tr><tr><td>Nominal inductance (10kHz), L [mH]</td><td>0.175</td></tr><tr><td>DC resistance, R_{DC} [mΩ]</td><td>2.7</td></tr><tr><td>Rated current, I_r [A]</td><td>10</td></tr></table>		Electrical parameters		Nominal inductance (10kHz), L [mH]	0.175	DC resistance, R _{DC} [mΩ]	2.7	Rated current, I _r [A]	10														
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Size: S Design: Vertical WE-CMB HC Common Mode Power Line Choke		<table><tr><td rowspan="5"></td><td>Status: Public</td></tr><tr><td>Date: 23.06.2018</td><td>Ver.N: 1</td></tr><tr><td>Working group</td><td>DI MO</td></tr><tr><td>Responsible person</td><td>DE</td></tr><tr><td>Executed for</td><td>EMCoS</td></tr></table>			Status: Public	Date: 23.06.2018	Ver.N: 1	Working group	DI MO	Responsible person	DE	Executed for	EMCoS												
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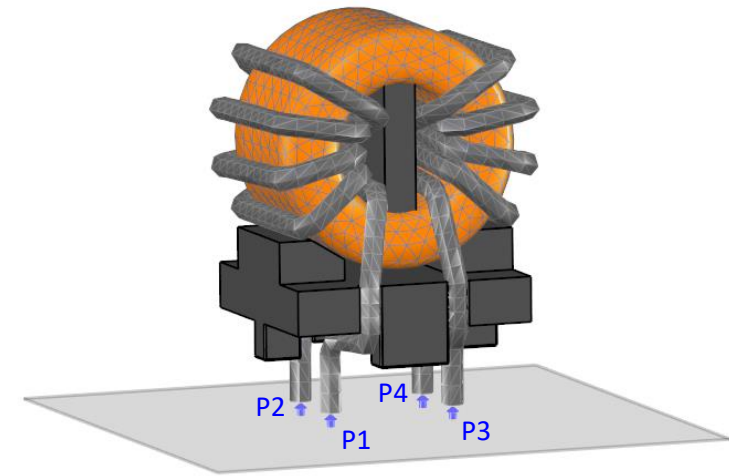
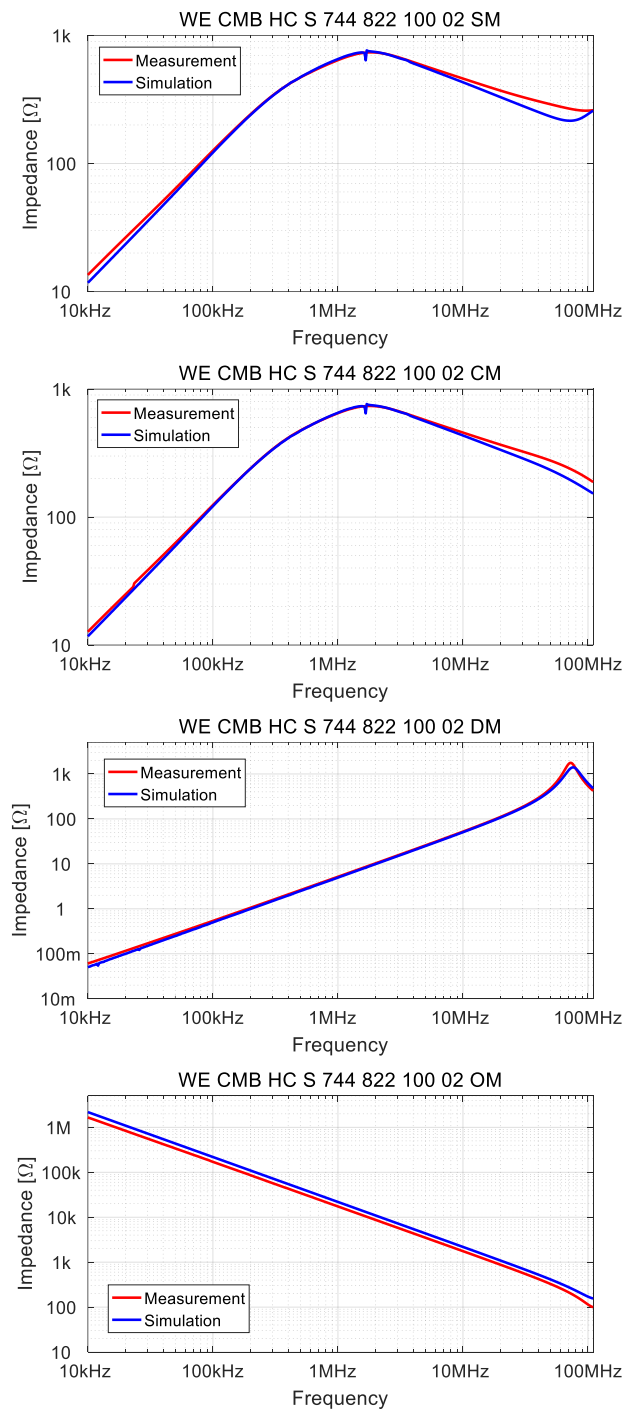


Fig. 5. EMCoS Studio 3D model for multi-port calculation

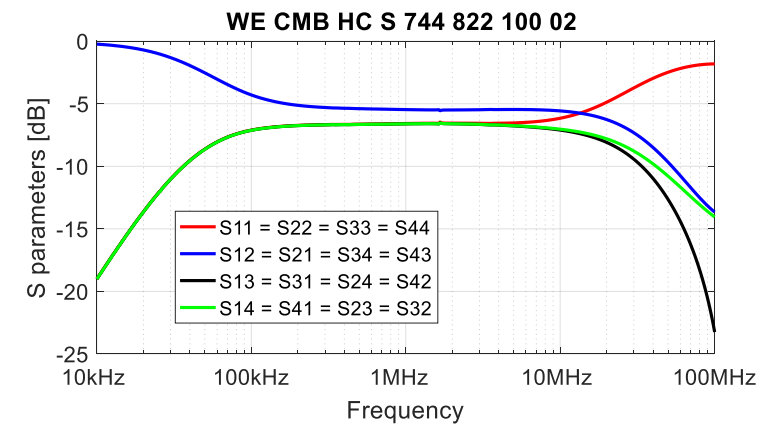



Fig. 6. Calculated S parameters

		Status: Public
Date: 23.06.2018		Ver.N: 1
Working group	DI	
	MO	
Responsible person		DE
Executed for		EMCoS