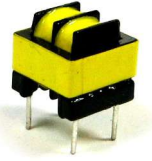
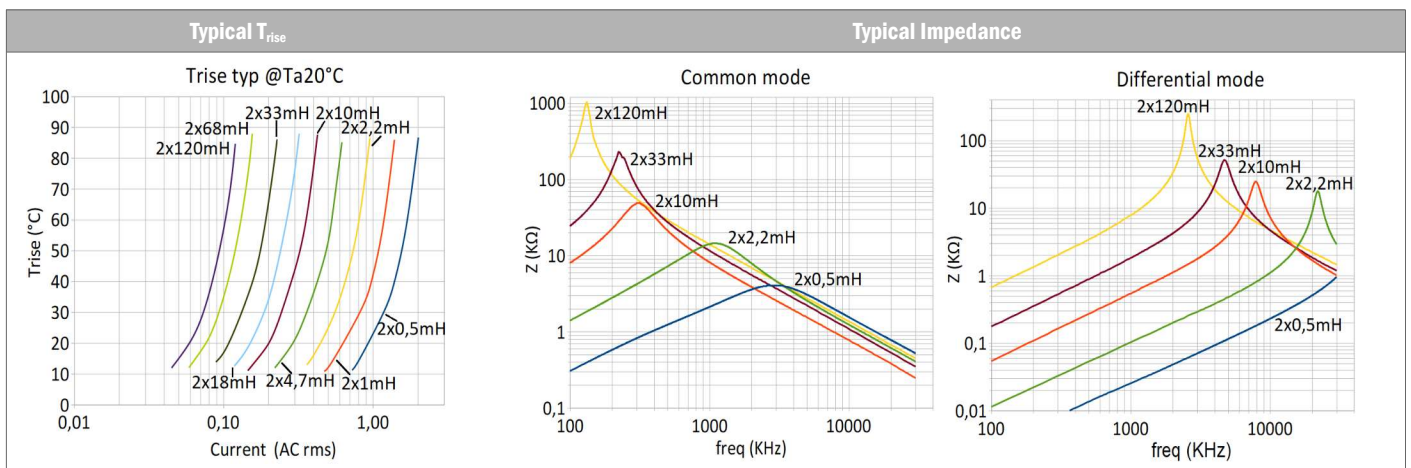


- Common mode inductors for EMI mains line
- Excellent common mode interference suppression
- Good differential mode filtering against symmetrical interference
- High insulation between windings
- Excellent performance/dimensions ratio
- Other values on request
- Available in Design kit (see on <https://www.itacoilweb.com/portfolio/inductors-design-kit/>)



Code	Nominal Inductance <sup>1</sup>	Minimum Inductance <sup>1</sup>	Stray Inductance typ <sup>1</sup>	Nominal Current <sup>2</sup>	Typical DCR <sup>3</sup>	Mains Rated Voltage	N1/N2 Dielectric strength
SCLE08501	2x0.5 mH	2x0.35 mH	4.2 μH	1.69 A	80 mΩ	250V	1.5KV
SCLE08102	2x1.0 mH	2x0.7 mH	8.7 μH	1.18 A	160 mΩ	250V	1.5KV
SCLE08222	2x2.2 mH	2x1.5 mH	18 μH	0.805 A	330 mΩ	250V	1.5KV
SCLE08472	2x4.7 mH	2x3.3 mH	43 μH	0.525 A	740 mΩ	250V	1.5KV
SCLE08103 <sup>P</sup>	2x10 mH	2x7.0 mH	90 μH	0.305 A	1.61 Ω	250V	1.5KV
SCLE08183	2x18 mH	2x12.6 mH	150 μH	0.265 A	2.75 Ω	250V	1.5KV
SCLE08333 <sup>P</sup>	2x33 mH	2x23.1 mH	280 μH	0.19 A	5.0 Ω	250V	1.5KV
SCLE08683 <sup>P</sup>	2x68 mH	2x47.6 mH	570 μH	0.13 A	11.1 Ω	250V	1.5KV
SCLE08124	2x120 mH	2x84 mH	1030 μH	0.10 A	19.0 Ω	250V	1.5KV

Dimensions	mm	Layout (bottom view)	Drawing	.stp file Download
A max	9.2			
B max	9.4			
H max	9.3			
X typ	5.0			
Y typ	6.8			
L min	2.5			
D typ (∅)	0.5			



<sup>1</sup> @10KHz-100mV.

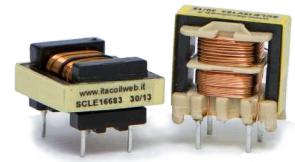
<sup>2</sup> Max continuous current for 60°C about temperature rise (@Ta20°C). The temperature of the inductor should not exceed 105°C, Trise included.

<sup>3</sup> Referred to each winding (@Ta20°C).

<sup>P</sup> Preferential items usually on stock.

## SCLE16(V) series – 2x1mH/2.3A ... 2x120mH/240mA

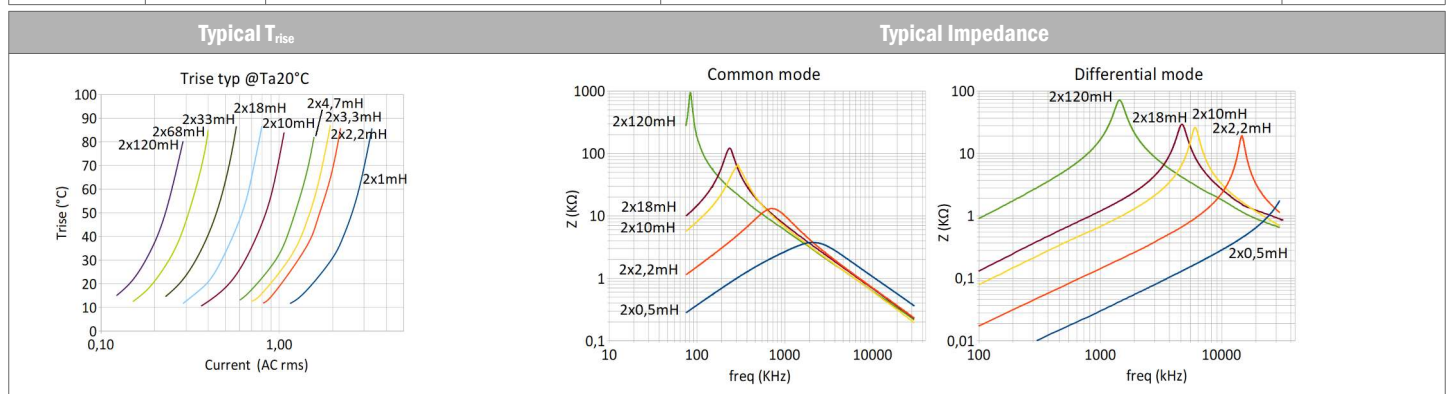
- Common mode inductors for EMI mains line filters
- Excellent common mode interference suppression
- Good differential mode filtering against symmetrical interference
- High insulation between windings
- Excellent performance/dimensions ratio
- Other values on request
- Available in Design kit (see on <https://www.itacoilweb.com/portfolio/inductors-design-kit/>)



Horizontal version Code	Vertical version Code	Nominal Inductance <sup>1</sup>	Minimum Inductance <sup>1</sup>	Stray Inductance typ <sup>1</sup>	Nominal Current <sup>2</sup>	Typical DCR <sup>3</sup>	Mains Rated Voltage	N1/N2 Dielectric strength
SCLE16102	SCLE16V102	2x1.0 mH	2x0.7 mH	12 µH	3.10 A	56 mΩ	250V	1.5KV
SCLE16222	SCLE16V222	2x2.2 mH	2x1.54 mH	27 µH	1.86 A	127 mΩ	250V	1.5KV
SCLE16332	SCLE16V332	2x3.3 mH	2x2.31 mH	46 µH	1.63 A	155 mΩ	250V	1.5KV
SCLE16472	SCLE16V472	2x4.7 mH	2x3.29 mH	64 µH	1.35 A	230 mΩ	250V	1.5KV
SCLE16103 <sup>P</sup>	SCLE16V103 <sup>P</sup>	2x10 mH	2x7.0 mH	135 µH	0.92 A	460 mΩ	250V	1.5KV
SCLE16183	SCLE16V183	2x18 mH	2x12.6 mH	216 µH	0.67 A	890 mΩ	250V	1.5KV
SCLE16333 <sup>P</sup>	SCLE16V333 <sup>P</sup>	2x33 mH	2x23.1 mH	401 µH	0.48 A	1.52 Ω	250V	1.5KV
SCLE16683 <sup>P</sup>	SCLE16V683 <sup>P</sup>	2x68 mH	2x47.6 mH	900 µH	0.34 A	3.30 Ω	250V	1.5KV
SCLE16124	SCLE16V124	2x120 mH	2x84.0 mH	1448 µH	0.25 A	5.95 Ω	250V	1.5KV

Dimensions	mm	Layout (bottom view)	Horizontal version Drawing	.stp file Download
A max	17.3			
B max	17.4			
H max	12.6			
X typ	7.5			
Y typ	12.5			
L min	3.0			
D typ (□)	0.5			

Dimensions	mm	Layout (bottom view)	Vertical version Drawing	.stp file Download
A max	17.1			
B max	11.6			
H max	19.8			
X typ	7.5			
Y typ	7.5			
L min	2.5			
D typ (□)	0.64			



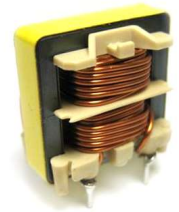
<sup>1</sup> @10KHz-100mV.

<sup>2</sup> Max continuous current for 60°C about temperature rise (@Ta20°C). The temperature of the inductor should not exceed 120°C, Trise included.

<sup>3</sup> Referred to each winding (@Ta20°C).

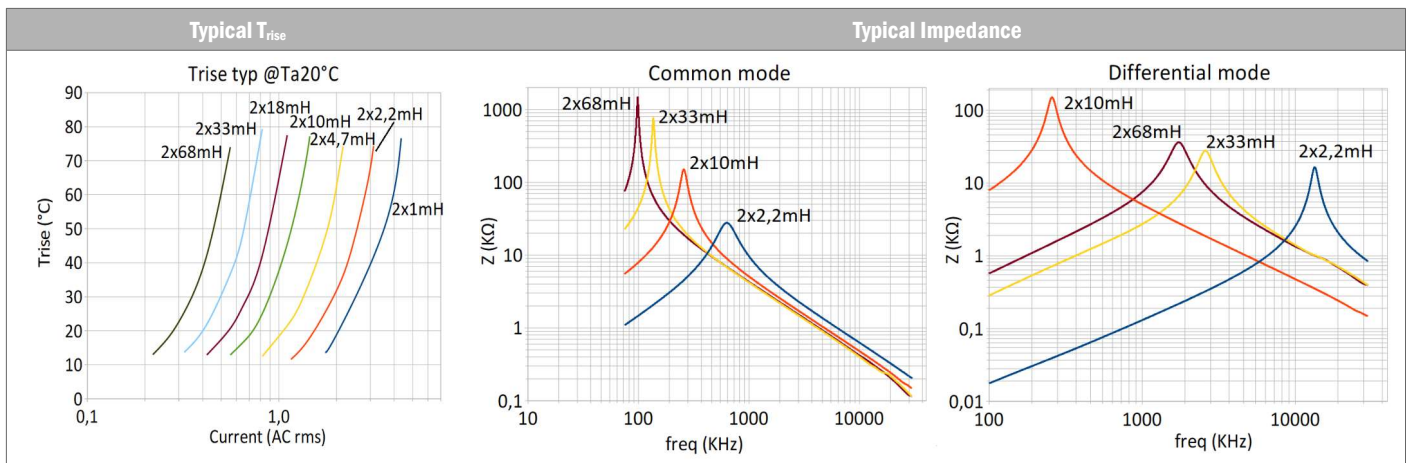
<sup>P</sup> Preferential items usually on stock.

- Common mode inductors for EMI mains line filters
- Excellent common mode interference suppression
- Good differential mode filtering against symmetrical interference
- High insulation between windings
- Excellent performance/dimensions ratio
- Other values on request



Code	Nominal Inductance <sup>1</sup>	Minimum Inductance <sup>1</sup>	Stray Inductance typ <sup>1</sup>	Nominal Current <sup>2</sup>	Typical DCR <sup>3</sup>	Mains Rated Voltage	N1/N2 Dielectric strength
SCLE20V102	2x1.0 mH	2x0.7 mH	15 $\mu$ H	3.50 A	33m $\Omega$	250V	1.5KV
SCLE20V222	2x2.2 mH	2x1.54 mH	30 $\mu$ H	2.44 A	64 m $\Omega$	250V	1.5KV
SCLE20V472	2x4.7 mH	2x3.29 mH	58 $\mu$ H	1.69 A	134 m $\Omega$	250V	1.5KV
SCLE20V103 <sup>p</sup>	2x10 mH	2x7.0 mH	138 $\mu$ H	1.13 A	298 m $\Omega$	250V	1.5KV
SCLE20V183	2x18 mH	2x12.6 mH	243 $\mu$ H	0.85 A	532 m $\Omega$	250V	1.5KV
SCLE20V333 <sup>p</sup>	2x33 mH	2x23.1 mH	440 $\mu$ H	0.63 A	950 m $\Omega$	250V	1.5KV
SCLE20V683 <sup>p</sup>	2x68 mH	2x47.6 mH	896 $\mu$ H	0.44 A	2.00 $\Omega$	250V	1.5KV

Dimensions	mm	Layout (bottom view)	Drawing	.stp file Download
A max	21.2			
B max	13.8			
H max	21.7			
X tip	10.0			
Y tip	10.0			
L min	3.5			
D tip ( $\square$ )	0.64			



<sup>1</sup> @10KHz-100mV.

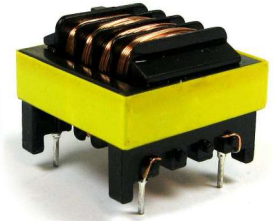
<sup>2</sup> Max continuous current for 60°C about temperature rise (@Ta20°C). The temperature of the inductor should not exceed 115°C, Trise included.

<sup>3</sup> Referred to each winding (@Ta20°C).

<sup>p</sup> Preferential items usually on stock.

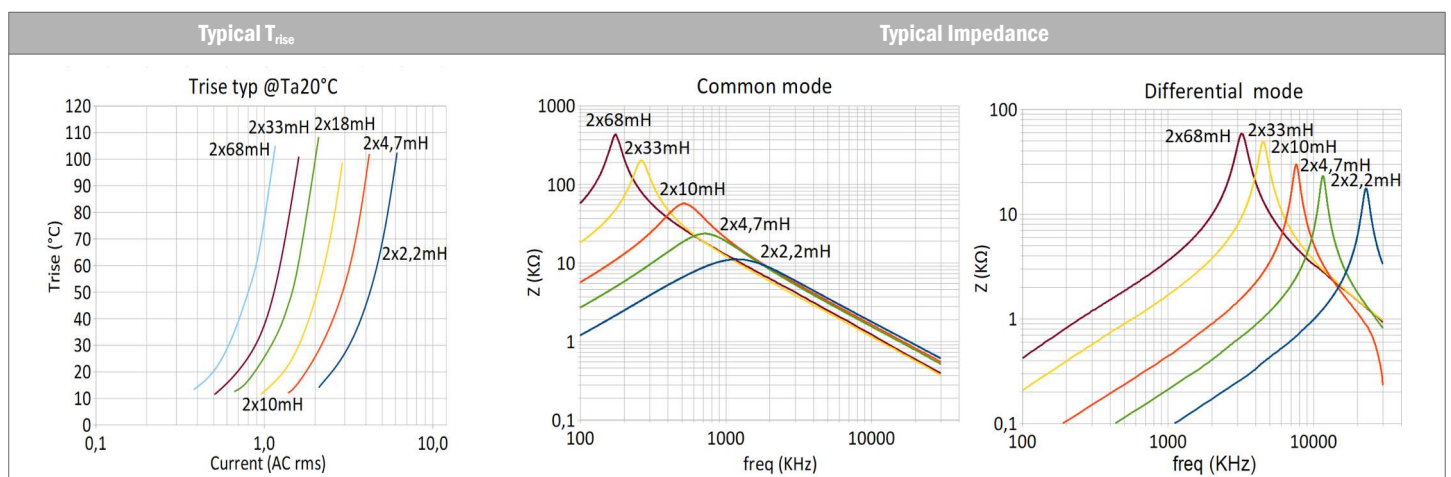
## SCLE25 series – 2x2.2mH/4A ... 2x68mH/760mA

- Common mode inductors for EMI mains line filters
- Excellent common mode interference suppression
- High frequency improved attenuation by sectional windings
- Good differential mode filtering against symmetrical interference
- High insulation between windings
- Excellent performance/dimensions ratio
- Other values on request
- Available in Design kit (see on <https://www.itacoilweb.com/portfolio/inductors-design-kit/>)



Code	Nominal Inductance <sup>1</sup>	Minimum Inductance <sup>1</sup>	Stray Inductance typ <sup>1</sup>	Nominal Current <sup>2</sup>	Typical DCR <sup>3</sup>	Mains Rated Voltage	N1/N2 Dielectric strength
SCLE25222	2x2.2 mH	2x1.54 mH	23 μH	4.00 A	36 mΩ	250V	1.5KV
SCLE25472	2x4.7 mH	2x3.29 mH	47 μH	2.75 A	79 mΩ	250V	1.5KV
SCLE25103 <sup>p</sup>	2x10 mH	2x7.0 mH	100 μH	1.93 A	152 mΩ	250V	1.5KV
SCLE25183	2x18 mH	2x12.6 mH	182 μH	1.39 A	298 mΩ	250V	1.5KV
SCLE25333 <sup>p</sup>	2x33 mH	2x23.1 mH	340 μH	1.05 A	521 mΩ	250V	1.5KV
SCLE25683 <sup>p</sup>	2x68 mH	2x47.6 mH	680 μH	0.76 A	990 mΩ	250V	1.5KV

Dimensions	mm	Layout (bottom view)	Drawing	.stp file Download
A max	26.3			
B max	27.1			
H max	21.4			
X typ	15.0			
Y typ	20.0			
L min	2.5			
D typ (∅)	0.65			



<sup>1</sup> @10KHz-100mV.

<sup>2</sup> Max continuous current for 60°C about temperature rise (@Ta20°C). The temperature of the inductor should not exceed 120°C, Trise included.

<sup>3</sup> Referred to each winding (@Ta20°C).

<sup>p</sup> Preferential items usually on stock.