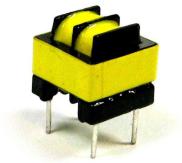
SCLE08 series – 2x0.5mH/1.39A ... 2x120mH/90mA

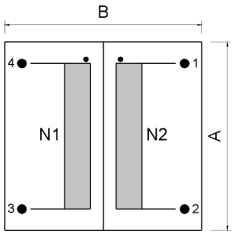
- Common mode inductors for EMI/EMC main line and data line filters
- Excellent common mode interference suppression
- Good differential mode filtering against symmetrical interferences
- High insulation between windings
- Excellent performances/dimensions ratio
- Others values on request
- Available in Design kit (see on https://www.itacoilweb.com/portfolio/inductors-design-kit/)



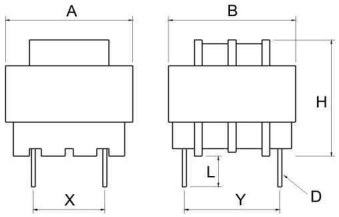
Code	Nominal Inductance	Minimal Inductance	Stray Inductance typ	Nominal Current[1]	Typical DCR[2]	Main Rated Voltage	N1/N2 Dielectric strength
SCLE08501	2x0,5 mH	2x0,35 mH	3,4 µH	1,39 A	80 mΩ	250V	1,5KV
SCLE08102	2x1,0 mH	2x0,7 mH	8,7 µH	0,97 A	160 mΩ	250V	1,5KV
SCLE08222	2x2,2 mH	2x1,5 mH	18 µH	0,68 A	330 mΩ	250V	1,5KV
SCLE08472	2x4,7 mH	2x3,3 mH	43 µH	0,45 A	740 mΩ	250V	1,5KV
SCLE08103[P]	2x10 mH	2x7,0 mH	90 µH	0,30 A	1,61 Ω	250V	1,5KV
SCLE08183	2x18 mH	2x12,6 mH	150 µH	0,235 A	2,75 Ω	250V	1,5KV
SCLE08333[P]	2x33 mH	2x23,1 mH	280 µH	0,175 A	5,0 Ω	250V	1,5KV
SCLE08683[P]	2x68 mH	2x47,6 mH	570 µH	0,118 A	11 ,1 Ω	250V	1,5KV
SCLE08124	2x120 mH	2x84 mH	1030 µH	0,090 A	19,0 Ω	250V	1,5KV

Dimensions	mm
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 (Ø)	0,5

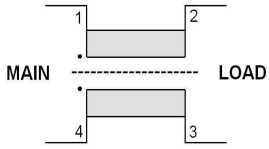
Layout (bottom view)



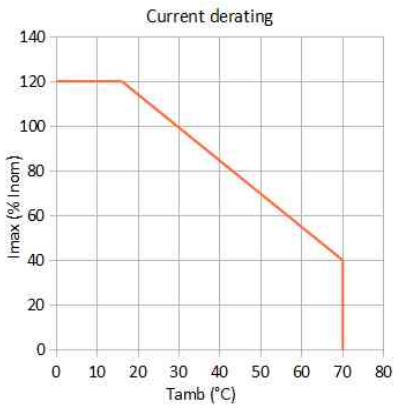
Drawing



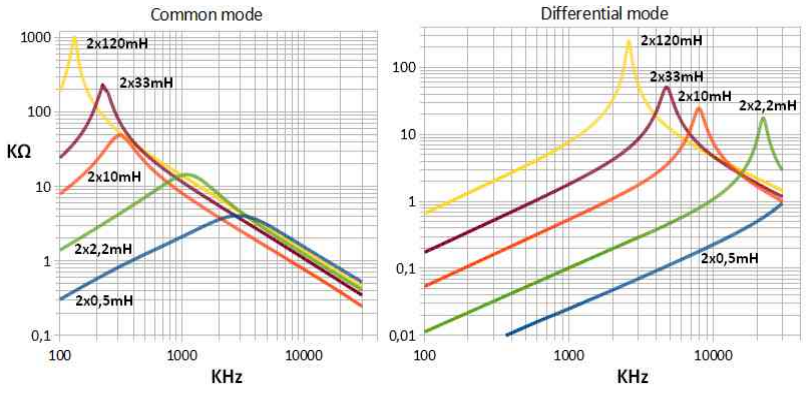
Schematic



I_{max}/t_{amb}



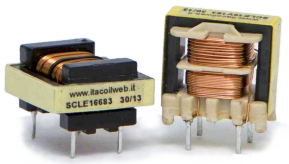
Typical Impedance



[1] *Max continuous current for 40°C nominal temperature rise (@20°C).*
[2] *Referred to each winding (@20°C).*
[P] *Preferential items usually in stock.*

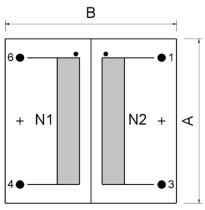
SCLE16(V) series – 2x1mH/2.3A ... 2x120mH/240mA

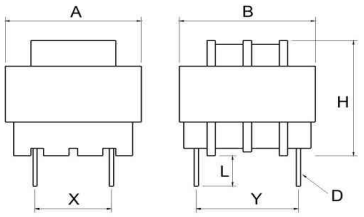
- Common mode inductors for EMI/EMC main line filters
- Excellent common mode interference suppression
- Good differential mode filtering against symmetrical interferences
- High insulation between windings
- Excellent performances/dimensions ratio
- Others values on request
- Available in Design kit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

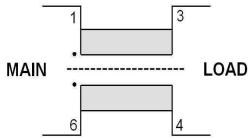


Horizontal version Code	Vertical version Code	Nominal Inductance[1]	Stray Inductance typ	Nominal Current[2]	Typical DCR[3]	Main Rated Voltage	N1/N2 Dielectric strength
SCLE16102	SCLE16V102	2x1,0 mH	12 µH	2,30 A	56 mΩ	250V	1,5KV
SCLE16222	SCLE16V222	2x2,2 mH	27 µH	1,64 A	127 mΩ	250V	1,5KV
SCLE16332	SCLE16V332	2x3,3 mH	46 µH	1,37 A	155 mΩ	250V	1,5KV
SCLE16472	SCLE16V472	2x4,7 mH	56 µH	1,18 A	243 mΩ	250V	1,5KV
SCLE16103[P]	SCLE16V103[P]	2x10 mH	121 µH	0,79 A	490 mΩ	250V	1,5KV
SCLE16183	SCLE16V183	2x18 mH	216 µH	0,60 A	930 mΩ	250V	1,5KV
SCLE16333[P]	SCLE16V333[P]	2x33 mH	401 µH	0,44 A	1,66 Ω	250V	1,5KV
SCLE16683[P]	SCLE16V683[P]	2x68 mH	824 µH	0,30 A	3,26 Ω	250V	1,5KV
SCLE16124	SCLE16V124	2x120 mH	1448 µH	0,24 A	5,95 Ω	250V	1,5KV

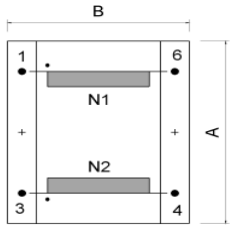
Dimensions	mm	Layout (bottom view)	Horizontal version Drawing	Schematic
A max	17,3			
B max	17,4			
H max	12,6			
X typ	7,5			
Y typ	12,5			
L min	3,0			
D typ (□)	0,5			

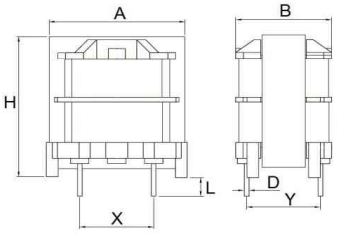


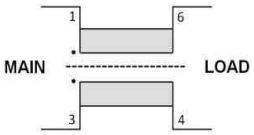




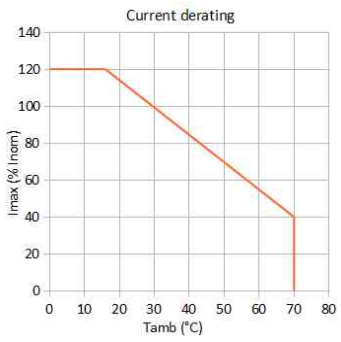
Dimensions	mm	Layout (bottom view)	Vertical version Drawing	Schematic
A max	17,1			
B max	11,6			
H max	19,8			
X typ	7,5			
Y typ	7,5			
L min	2,5			
D typ (□)	0,64			



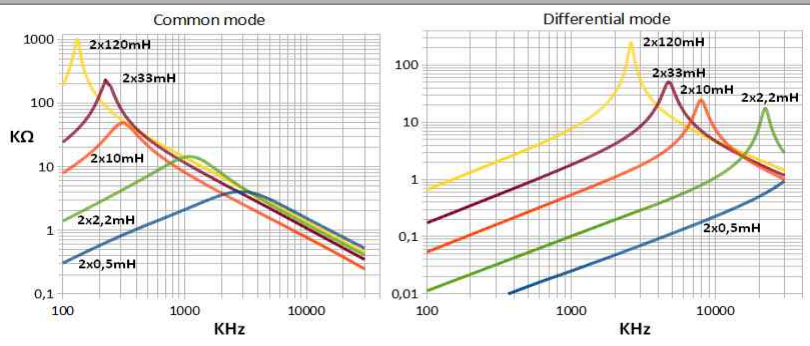




I_{max}/t_{amb}



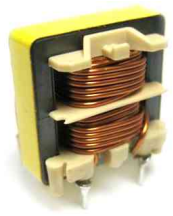
Typical Impedance



[1] *Tolerances -30%/+50% - Measured @10KHz-100mV.*
[2] *Max continuous current for 40°C nominal temperature rise (@20°C).*
[3] *Referred to each winding (@20°C).*
[P] *Preferential items usually in stock.*

SCLE20V series – 2x1mH/3.5A ... 2x68mH/440mA

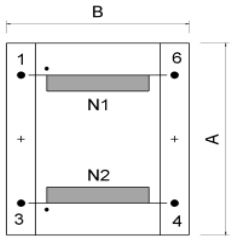
- Common mode inductors for EMI/EMC main line filters
- Excellent common mode interference suppression
- Good differential mode filtering against symmetrical interferences
- High insulation between windings
- Excellent performances/dimensions ratio
- Others values on request



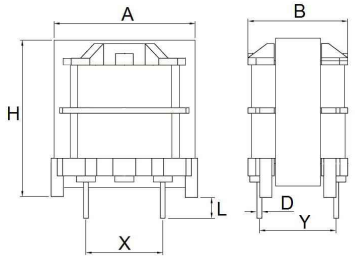
Code	Nominal Inductance[1]	Stray Inductance typ	Nominal Current[2]	Typical DCR[3]	Main Rated Voltage	N1/N2 Dielectric strength
SCLE20V102	2x1,0 mH	15 µH	3,50 A	33mΩ	250V	1,5KV
SCLE20V222	2x2,2 mH	30 µH	2,44 A	64 mΩ	250V	1,5KV
SCLE20V472	2x4,7 mH	64 µH	1,69 A	134 mΩ	250V	1,5KV
SCLE20V103[P]	2x10 mH	138 µH	1,13 A	298 mΩ	250V	1,5KV
SCLE20V183	2x18 mH	243 µH	0,85 A	532 mΩ	250V	1,5KV
SCLE20V333[P]	2x33 mH	440 µH	0,63 A	973 mΩ	250V	1,5KV
SCLE20V683[P]	2x68 mH	896 µH	0,44 A	2,00 Ω	250V	1,5KV

Dimensions	mm
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 (□)	0,64

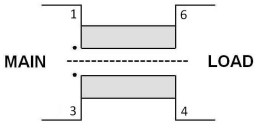
Layout (bottom view)



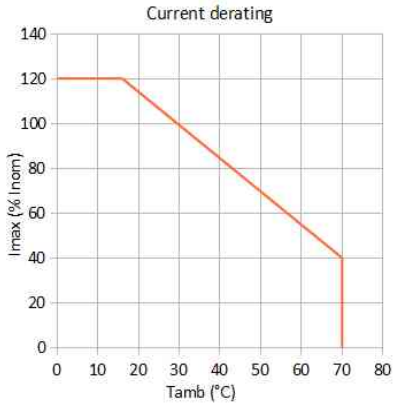
Drawing



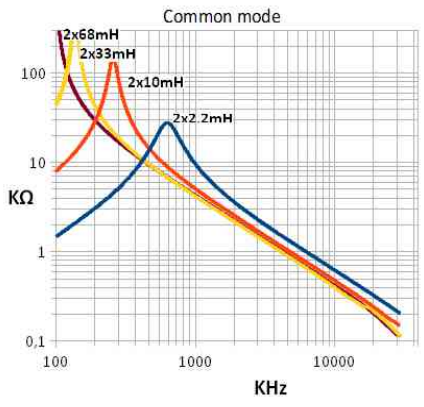
Schematic

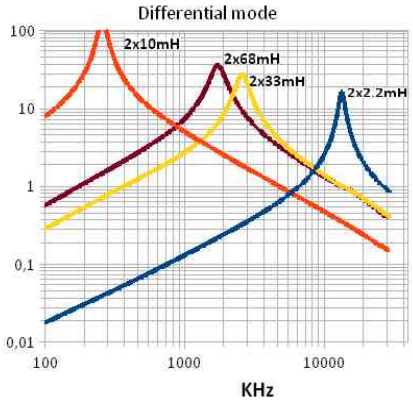


I_{max}/t_{amb}



Typical Impedance

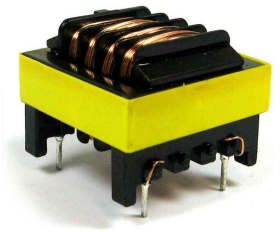




[1] *Tolerances -30%/+50% - Measured @10KHz-100mV.*
[2] *Max continuous current for 40°C nominal temperature rise (@20°C).*
[3] *Referred to each winding (@20°C).*
[P] *Preferential items usually in stock.*

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

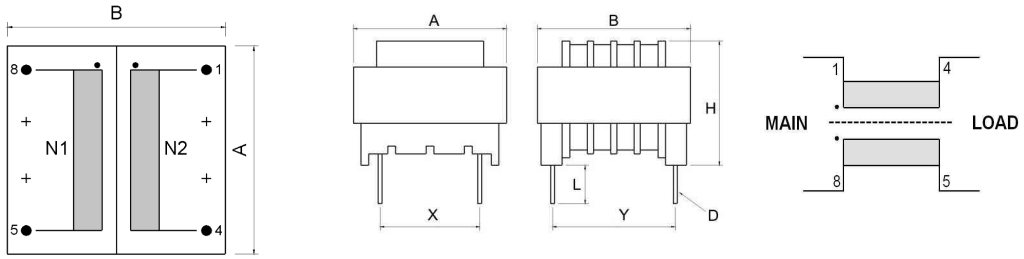
- Common mode inductors for EMI/EMC main line filters
- Excellent common mode interference suppression
- High frequency improved attenuation by sectional windings
- Good differential mode filtering against symmetrical interferences
- High insulation between windings
- Excellent performances/dimensions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



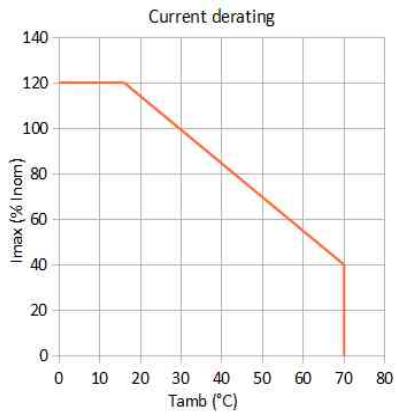
Code	Nominal Inductance[1]	Stray Inductance typ	Nominal Current[2]	Typical DCR[3]	Main Rated Voltage	N1/N2 Dielectric strength
SCLE25222	2x2,2 mH	23 µH	4,00 A	36 mΩ	250V	1,5KV
SCLE25472	2x4,7 mH	47 µH	2,75 A	75 mΩ	250V	1,5KV
SCLE25103[P]	2x10 mH	100 µH	1,93 A	150 mΩ	250V	1,5KV
SCLE25183	2x18 mH	182 µH	1,39 A	300 mΩ	250V	1,5KV
SCLE25333[P]	2x33 mH	340 µH	1,05 A	500 mΩ	250V	1,5KV
SCLE25683[P]	2x68 mH	680 µH	0,76 A	960 mΩ	250V	1,5KV

Dimensions	mm
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 (Ø)	0,65

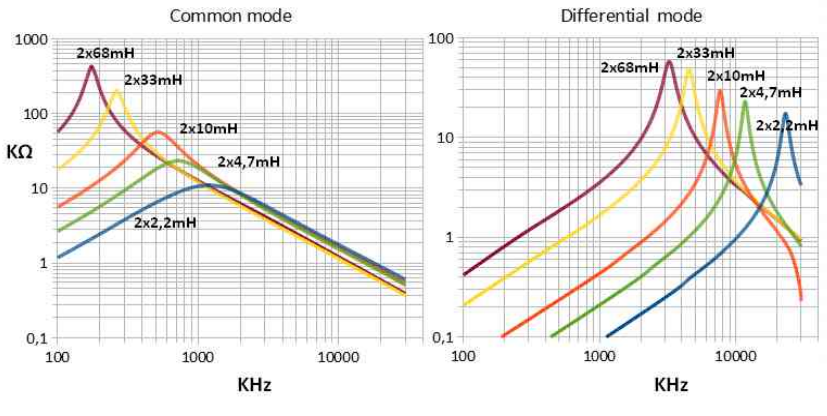
Layout (bottom view) / Drawing / Schematic



I_{max}/t_{amb}



Typical Impedance



[1] *Tolerances -30%/+50% - Measured @10KHz-100mV.*
[2] *Max continuous current for 40°C nominal temperature rise (@20°C).*
[3] *Referred to each winding (@20°C).*
[P] *Preferential items usually in stock.*