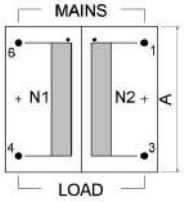
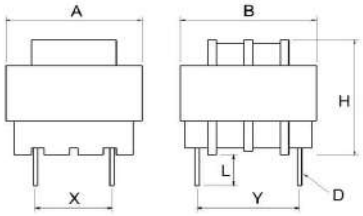
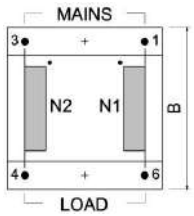
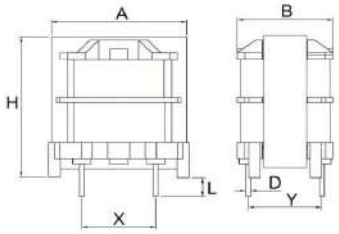
SCLE16(V) series – 2x1mH/2.3A … 2x120mH/240mA

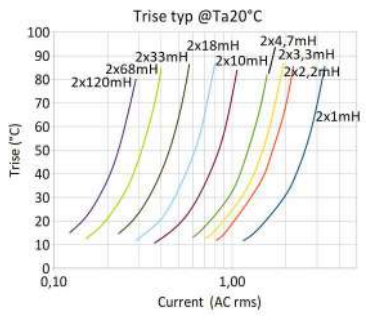
- Common mode inductors for EMI mains line filters
- Excellent common mode interference suppression
- Good differential mode filtering against symmetrical interference
- High insulation between windings
- Excellent performance/dimensions ratio
- Other values on request
- Available in Design kit (see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

Horizontal version Code	Vertical version Code	Nominal Inductance[1]	Minimum Inductance[1]	Stray Inductance typ[1]	Nominal Current[2]	Typical DCR[3]	Mains Rated Voltage	N1/N2 Dielectric strength
SCLE16102	SCLE16V102	2x1.0 mH	2x0.7 mH	15 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[P]	SCLE16V103[P]	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[P]	SCLE16V333[P]	2x33 mH	2x23.1 mH	401 µH	0.48 A	1.52 Ω	250V	1.5KV
SCLE16683[P]	SCLE16V683[P]	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

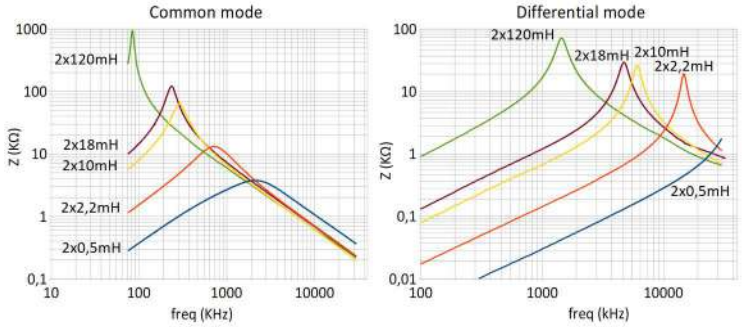
Dimensions	mm	Layout (bottom view)	Horizontal version Drawing	.stp file Download
A max	17.3			
B max	17.4			
H max	12.6			
X typ	7.5			
Y typ	12.5			
L min	3.0			
D typ (□)	0.5			

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			

Typical T_{rise}



Typical Impedance



[1] *@10KHz-100mV.*
[2] *Max continuous current for 60°C about temperature rise (@tTa20°C). The temperature of the inductor should not exceed 120°C, Trise included.*
[3] *Referred to each winding (@Ta20°C).*
[P] *Preferential items usually on stock.*