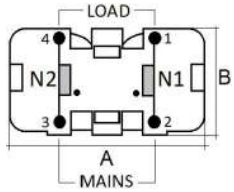
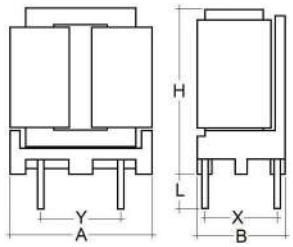
SCF1918 series – 2x5mH/4.11A … 2x22mH/1.43A

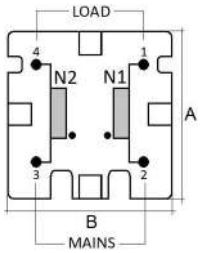
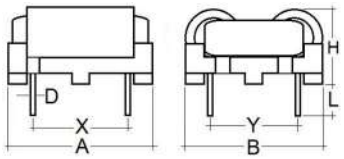
- Common mode inductors for EMI mains line filters
- Excellent common mode interference suppression
- Good differential mode filtering against symmetrical interference
- High insulation between windings
- Best performance/dimensions ratio
- Other values on request



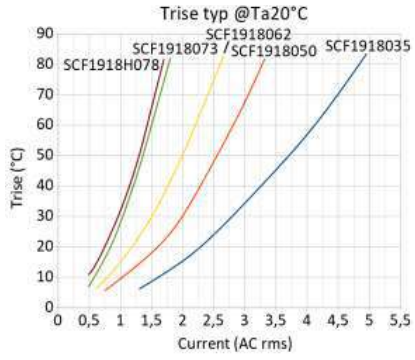
PRELIMINARY

Code	Drawing	Minimum Inductance[1]	Stray Inductance typ[2]	Nominal Current[3]	Typical DCR[4]	Mains Rated Voltage	N1/N2 Dielectric strength
SCF1918035	A	2x5 mH	56 µH	4.11 A	39 mΩ	250V	1.5KV
SCF1918050	A	2x10 mH	111 µH	2.81 A	81 mΩ	250V	1.5KV
SCF1918062	A	2x15 mH	173 µH	2.20 A	122 mΩ	250V	1.5KV
SCF1918073	A	2x20 mH	245 µH	1.50 A	261 mΩ	250V	1.5KV
SCF1918H078	B	2x22 mH	282 µH	1.43 A	271 mΩ	250V	1.5KV

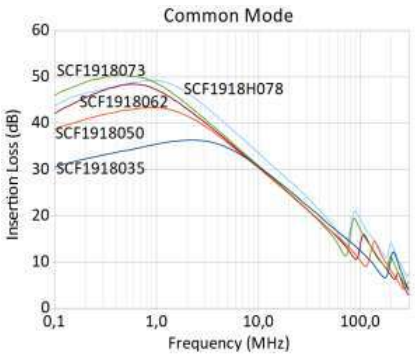
Dimensions	mm	Layout (bottom view)	Drawing A	.stp file Download
A max	24.9			
B max	14.3			
H max	25.9			
X typ	10.0			
Y typ	13.0			
L min	2.5			
D typ (Ø)	0.8			

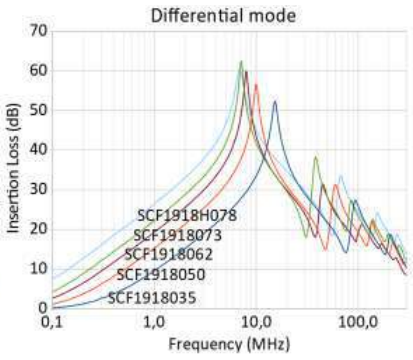
Dimensions	mm	Layout (bottom view)	Drawing B	.stp file Download
A max	23.0			
B max	23.0			
H max	14.0			
X typ	10.0			
Y typ	13.0			
L min	2.5			
D typ (Ø)	0.8			

Typical T_{rise}



Typical Insertion Loss





[1] *@ 10kHz - 1V*
[2] *@ 100kHz - 1V*
[3] *Max continuous current for 60° about temperature rise (@Ta 20°C). The temperature of the inductor should not exceed 100°C, T rise included.*
[4] *Referred to each winding @ Ta 20°C*

subject to change without notice • all rights reserved • any reproduction without written authorization is forbidden • this catalogue replaces any previous issues