



Mechanical Details (All dimensions in mm UOS)									
A ±1	B ±1	C	D ±0.5	E ±2	L ±1	T	S	Mounting Torque (t)	Mounting Torque (s)
96	14	22	25	26	30	M16 x 1	M6	7 N-m Max	2.5 N-m Max
Typical Weight (g)					85g				
Materials									
Case					Nickel Plated Brass, Steel or Aluminium				
Through Conductor					Nickel Plated Brass				
Capacitor					Metallised Plastic Film				
Inductor					None Fitted				
Encapsulation					Resin Fill (UL94 V-0)				

Electrical Details						
Circuit	Max Current A @ 50°C	Capacitance µF	Inductance µH	Working Voltage	V Test dc	Insulation Resistance MΩ Minimum
C	100**	2.0 ± 20%	N/A (*C ONLY)	400Vdc	800	100

\*\* - Max Operating Temperature = 85°C. Current derating between 50°C and 85°C. For temp T.  $I_T = I_R \sqrt{(85 - T)/35}$   
Category Temperature Range -55°C / +85°C

Typical Insertion Loss 50Ω (full load)							
Frequency	30kHz	100kHz	300kHz	1MHz	10MHz	100MHz	1GHz
Ins Loss db	20	30	40	50	58	90	90

\* - Note insertion loss quoted with full load current flowing. Under full load conditions filters with ferrite bead inductors will suffer from saturation of the inductor and subsequent loss of performance compared to no load performance.

#### Ordering Information

Type	Case Style	Current	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Hardware
SL	G	N	C	400	0205	M	1	1
Syfer Power Filter	Case size G as per above diagram	100A	C = C Filter	400 = 400V	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is the number of zeros following. 0205 = 2µF (2000nF)	M = ±20%	1 = Plastic Film	1 = Supplied

Note: The addition of a 4-digit numerical suffix code can be used to denote changes to the standard part.

Options include for example: change of terminal length / custom body dimensions or threads / alternative voltage ratings / non-standard capacitance values / test requirements / plating finishes

Please refer specific requests to the factory.

