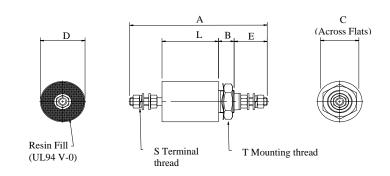
Filter Type SLGNC

Feedthrough EMI Power Filter Datasheet (SLGNC4000205M11)





Mechanical Details (All dimensions in mm UOS)											
A ± 1	В ± 1	С	D ± 0.5	E ± 2	L ± 1	т	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 μF		Inductance µH	Working Voltage	V Test dc	Insulation Resistance MΩ Minimum		
С	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					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

Туре	Case Style	Current	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Hardware
SL	G	N	С	400	0205	M	1	1
Syfer Power Filter	Case size G as per above diagram	100A	C = C Filter		First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is the number of zeros following. $0205 = 2\mu F (2000nF)$	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.



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