

Differential Mode Filter for Fluorescent Lighting Applications

FL Series



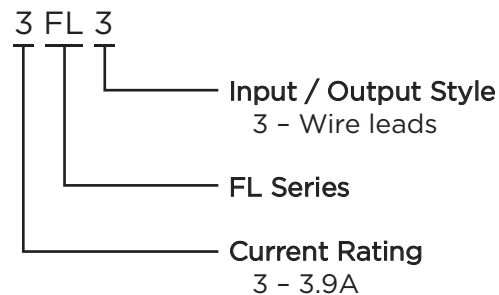
UL Listed



FL Series

- Specifically designed for fluorescent lights
- Suitable for industrial environments
- UL Listed for aftermarket installation

Ordering Information



Available Part Number

3FL3

Specifications

Maximum leakage current each Line to Ground:

@ 125 VAC 60 Hz:	3.0 mA
@ 280 VAC 50 Hz:	6.0 mA

Hipot rating (one minute):

Line to Ground:	1560 VAC
Line to Line:	1560 VAC

Rated Voltage: 125/280 VAC

Operating Frequency: 50/60 Hz

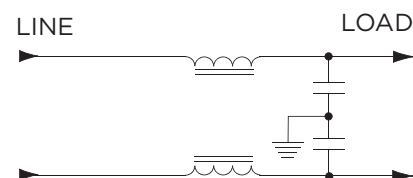
Rated Current: 3.9 A

Operating Ambient Temperature Range

(at rated current I_r): -10°C to +40°C

In an ambient temperature (T_a) higher than +40°C the maximum operating current (I_o) is calculated as follows: $I_o = I_r \sqrt{(85-T_a)/45}$

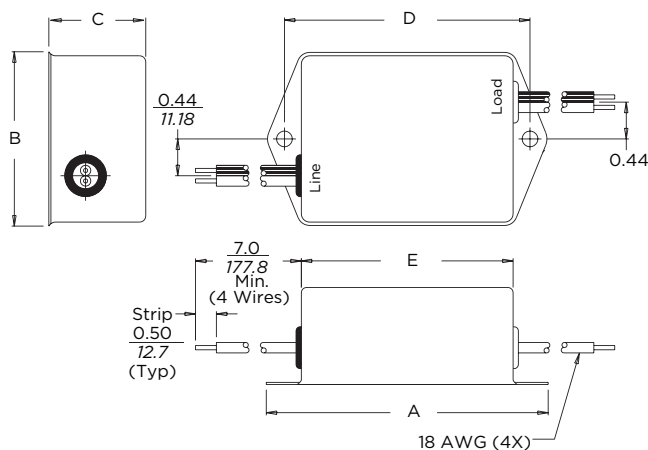
Electrical Schematic



Differential Mode Filter for Fluorescent Lighting Applications *(continued)*

FL Series

Case Styles



Case Dimensions

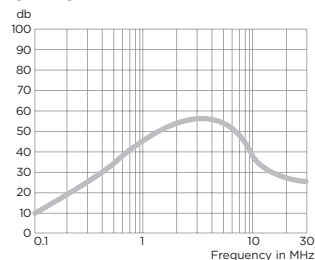
Part No.	A (max)	B (max)	C (max)	D $\pm .015$ $\pm .38$	E (max)
3FL3	3.35 85.09	2.07 52.58	1.16 29.5	2.938 74.63	2.57 65.3

Performance Data

Typical Insertion Loss

Measured in closed 50 Ohm system

3FL3



— Differential Mode / Symmetrical (L-L)

Minimum Insertion Loss

Differential Mode / Symmetrical (Line to Line)

Part No.	Frequency – MHz						
	.15	.3	.6	1	4	10	20
3FL3	10	18	34	46	56	38	26