

LIGHTING PROTECTION FILTER FOR LIGHTING APPLICATIONS



The EFC-LPF is the industry's most advanced power quality solution available for lighting panels. The patented circuit of the EFC-LPF uses innovative technology to protect the expensive lighting solutions from transients and noise, therefore increase the efficiency of the electrical distribution system. The EFC-LPF is designed to remove switching noise generated by all kinds of lighting drivers/ballasts.

- Specifically designed for your lighting panels
- Designed by lighting gurus in the industry

THE EFC-LPF: ABSORBS, DISSIPATES, & REMOVES

- Transient voltage surges and spikes
- The frequency noise generated by LED, Induction, Mercury, HID and fluorescent drivers
- The noise generated by other loads such as VFDs and inverters

EFC-LPF GENERAL SPECIFICATIONS

OPERATING FREQUENCY

45 - 65 Hz

FREQUENCY ATTENUATION

-20 dB/decade roll-off starting at 1.5 kHz

MAX SURGE CURRENT

80 kA per mode

MCOV

20% above rated voltage

SAFETY APPROVALS

The circuit is build to meet:

UL 1449 4th Edition Type 2 SPD

CSA std. c22.2 No. 8-2013 Ed 5

SAFETY RATINGS

Fire Rating 94V-0

OPERATING ENVIRONMENT

Approximately -25° C to 65° C

RESPONSE TIME

Primary Response Time: Instantaneous Key Event Time:

Approx. 1 Nanosecond

COMPLIANCE

NEMA LS-1, NEC Surge Suppression Standards, Electrical Notice 516

CONNECTION

Wire leads. Size: 14 AWG Length: 3'

MATERIALS

Aluminum Housing, LED Indicator Lamps, 14 AWG 600 V rated Wire. Circuit encapsulated in epoxy to retain integrity of circuitry in failure mode.

ACCESSORIES

Amber LED indicates active phase

DIMENSIONS & WEIGHT

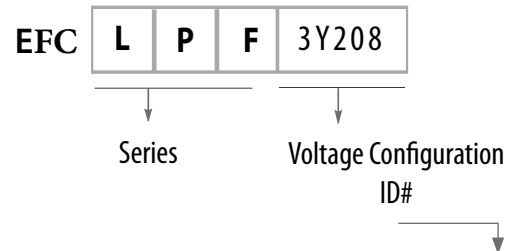
Square: 6" Depth: 4" Weight: 4 lbs.

Rectangular: 7.5"x6" Depth: 3.35" Weight: 5 lbs. (with the backplate)

Compact for easy installation.

EFC-LPF PRODUCT ORDERING GUIDELINES

MODEL NUMBER



VOLTAGE CONFIGURATIONS

SYSTEM VOLTAGE	PROTECT MODE	VPR	SYSTEM CONFIGURATION	VOLTAGE ID#
Single Phase 120/240	L-N L-L	405 780	3 Wire + G	1S240
Single Leg 120V	L-N	405	2 Wire + G	1L120
Single Leg 240V	L-N	780	2 Wire + G	1L240
3 Phase 120/208	L-N L-L	405 780	4 Wire + G	3Y208
3 Phase 277/480	L-N L-L	910 1350	4 Wire + G	3Y480
3 Phase 480V	L-L	1350	3 Wire + G	3D480