

EP-2700 HIGH FREQUENCY FILTER



The **EP-2700** is a constantly-on high frequency noise filter. This filter complements the **EP-2000** by supplying additional filtration to environments where there is a high level of high frequency noise pollution.

THE EP-2700:

- Has a greater than -30 dB reduction from 5 kHz to 2 MHz
- Has a maximum attenuation of greater than -40 dB from 45 kHz to 250 kHz
- Absorbs and dissipates energy within the unit
Energy is not shunted to the ground. Case ground only
- This unit will not work on the output of a VFD;
it will attenuate the control frequency

EP-2700 GENERAL SPECIFICATIONS

OPERATING FREQUENCY

45 - 65 Hz

FREQUENCY ATTENUATION

-30 dB reduction from 5 kHz to 2 MHz

SAFETY RATINGS

Fire Rating 94V-0

OPERATING ENVIRONMENT

Approximately -25° C to 65° C

APPLICATION ENVIRONMENT

Subpanel Distribution, PLC Protection, Buss Plug, Machine Feed,
VFD Input Power (Must be used in combination with either EP-2000 or EP-2500)

COMPLIANCE

NEMA LS-1, Electrical Notice 516

CONNECTION

Wire leads Size: 14 AWG Length: 3'

DIMENSIONS & WEIGHT

Three-Phase: Length: 6.25" Width: 6.25" Height: 4" Weight: 8 lbs.
Mounting Plate: 8.25 x 6.25 x .25"

Single-Phase: Length: 4.75" Width: 4.75" Height: 3.75" Weight: 5 lbs.
Mounting Plate: 6.75 x 4.75 x .25"

MATERIALS

Aluminum Housing, 14 ga 600 V rated Wire.

Circuit encapsulated in epoxy to retain integrity of circuitry in failure mode.

ACCESSORIES

Red LED Indicator Lights = Failure Mode

The EP-2700 is an extremely sensitive filter and should only be applied at the recommendation of Environmental Potentials. Never install a 2700 in a facility that has grounded the neutral leg of a wye transformer downstream of the main service. This is a common practice in many facilities.