

## EP-2050 RESIDENTIAL PROTECTION



The **EP-2050** is an industrial electrical surge and noise filtration system adapted for the residential marketplace. The EP-2050 eliminates detrimental power disturbances that permeate the residential electrical distribution system. The compact unit provides automatic protection for industrial, residential and marine electrical distribution systems.

### THE EP-2050:

ABSORBS, DISSIPATES & REMOVES

- Transient voltage surges and spikes
- Frequency Noise Between 3kHz-1MHz
- Ring waves

DOES NOT SHUNT ENERGY TO GROUND.

The facility ground is not relied on for performance or survivability.

### EP-2050 GENERAL SPECIFICATIONS

CIRCUIT DESCRIPTION	Internal Circuit Breaker	Spectrum Multiplier a	Voltage Limit Clamp (MOV) a	Low-Pass Filter a	Dissipative Absorber	(Parallel Operated)
<b>OPERATING FREQUENCY</b> 45 - 65 Hz						
<b>FREQUENCY ATTENUATION</b> -20 dB/decade roll-off starting at 2.5 kHz						
<b>MAX SURGE CURRENT</b> 12.5 kA per mode						
<b>MCOV</b> 20% above rated voltage						
<b>SAFETY APPROVALS</b> UL 1449 2nd Edition TVSS Testing Type 2 & Type 3 SPD CSA Standards Class 9091 01 & 9091 81; CSA std. c22.2 No. 8-M1986						
<b>SAFETY RATINGS</b> Fire Rating 94V-0						
<b>OPERATING ENVIRONMENT</b> Approximately -25° C to 65° C						
<b>RESPONSE TIME</b> Primary Response Time: Instantaneous Key Event Time: Approx. 1 Nanosecond						
<b>COMPLIANCE</b> NEMA LS-1, NEC Surge Suppression Standards, Electrical Notice 516						
<b>CONNECTION</b> Wire leads. Size: 14 AWG Length: 3'						
<b>MATERIALS</b> Aluminum Housing, LED Indicator Lamps, 14 AWG 600 V rated Wire. Circuit encapsulated in epoxy to retain integrity of circuitry in failure mode.						
<b>ACCESSORIES</b> Amber LED indicates active phase						
<b>DIMENSIONS &amp; WEIGHT</b> 100-127 V Units: Diameter: 3" Depth: 2.5" Weight: 1.5 lbs. Compact for easy installation. 200-250 V Units: Diameter: 4.34" Depth: 3.35" Weight: 3 lbs. Compact for easy installation.						



**EP-2050 PRODUCT ORDERING GUIDELINES**

MODEL NUMBER

**EP**



Series

Voltage Configuration ID#

**VOLTAGE CONFIGURATIONS**

SYSTEM VOLTAGE	PROTECT MODE	SYSTEM CONFIGURATION	VOLTAGE ID#	MCOV	SVR
Single Phase 100/200	L-N	3 Wire + G	1S200	130V	340V
Single Phase 120/240	L-N	3 Wire + G	1S240	150 V	395



\*Other voltages and configurations available upon request