

## EP-2500 WAVEFORM CORRECTOR: MEDIUM PROTECTION

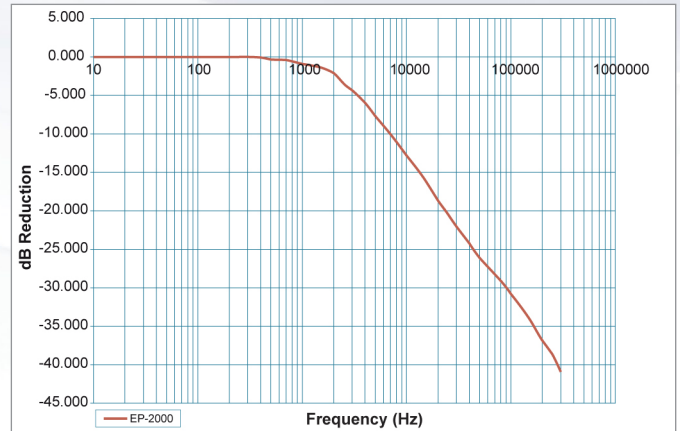
### THE EP-2500:

ABSORBS, DISSIPATES & REMOVES  
with increased capacity

- 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-2500 GENERAL SPECIFICATIONS

| CIRCUIT DESCRIPTION | Internal Circuit Breaker | Spectrum Multiplier a | Voltage Limit Clamp (MOV) a | Increased Capacity a | Low-Pass Filter a | Dissipative Absorber | (Parallel Operated) |
|---------------------|--------------------------|-----------------------|-----------------------------|----------------------|-------------------|----------------------|---------------------|
|---------------------|--------------------------|-----------------------|-----------------------------|----------------------|-------------------|----------------------|---------------------|

#### OPERATING FREQUENCY

45 - 65 Hz

#### FREQUENCY ATTENUATION

-20 dB/decade roll-off starting at 2.5 kHz

#### MAX SURGE CURRENT

80 kA per mode

#### MCOV

20% above rated voltage

#### SAFETY APPROVALS

UL 1449 3<sup>rd</sup> Edition TVSS Testing Type 2 SPD

CSA Standards Class 9091 01 & 9091 81; CSA std. c22.2 No. 8-M1986

#### 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: 10 AWG Length: 3'

#### MATERIALS

Aluminum Housing, LED Indicator Lamps, 10 AWG 600 V rated Wire.

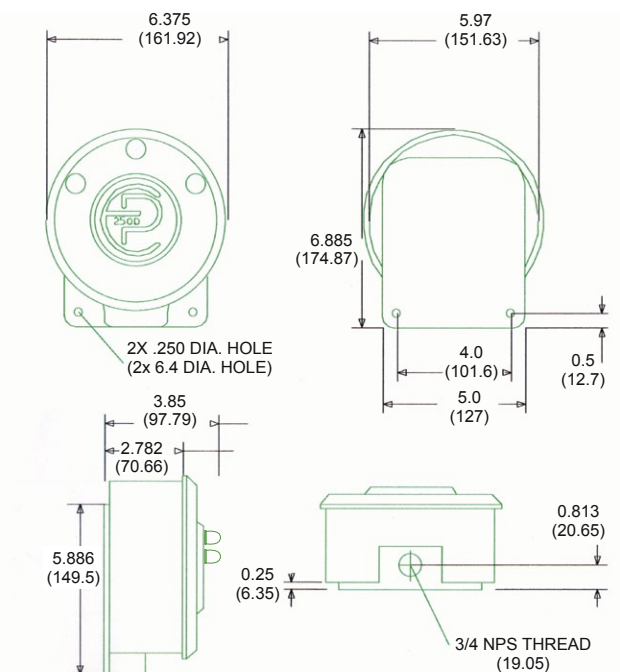
Circuit encapsulated in epoxy to retain integrity of circuitry in failure mode.

#### ACCESSORIES

Amber LED indicates active phase

#### DIMENSIONS & WEIGHT

Diameter: 6.375" Depth: 3.85" Weight: 6 lbs. Compact for easy installation.



Units: Inches (Millimeters)



**EP-2500 PRODUCT ORDERING GUIDELINES**

MODEL NUMBER

**EP**

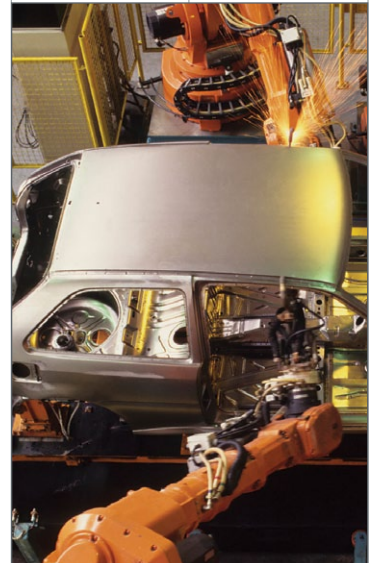


Series

Voltage Configuration  
ID#

**VOLTAGE CONFIGURATIONS**

| SYSTEM VOLTAGE       | PROTECT MODE | SYSTEM CONFIGURATION   | VOLTAGE ID#  | MCOV           | SVR        |
|----------------------|--------------|------------------------|--------------|----------------|------------|
| Single Phase 100/200 | L-N          | 3 Wire + G             | <b>1S100</b> | 130V           | 340V       |
| Single Phase 120/240 | L-N<br>L-L   | 3 Wire + G             | <b>1S240</b> | 150 V<br>300 V | 395<br>775 |
| Single Leg 120V      | L-N          | 2 Wire + G             | <b>1L120</b> | 150 V          | 395        |
| Single Leg 240V      | L-N          | 2 Wire + G             | <b>1L240</b> | 300 V          | 775        |
| 3 Phase 120/208      | L-N<br>L-L   | 4 Wire + G             | <b>3Y208</b> | 150 V<br>300 V | 395        |
| 3 Phase 277/480      | L-N<br>L-L   | 4 Wire + G             | <b>3Y480</b> | 360 V<br>720 V | 910        |
| 3 Phase 347/600      | L-N<br>L-L   | 4 Wire + G             | <b>3Y600</b> | 420 V<br>840 V | 1120       |
| 3 Phase 120/240      | L-N<br>L-L   | 4 Wire + G<br>High Leg | <b>3H240</b> | 150 V<br>300 V | 395<br>775 |
| 3 Phase 480V         | L-L          | 3 Wire + G             | <b>3D480</b> | 575 V          | 1570       |
| 3 Phase 600V         | L-L          | 3 Wire + G             | <b>3D600</b> | 750 V          | 1980       |



\*Other voltages and configurations available upon request