### Overvoltage Protection Components

**UL 1449/CUL 4th Edition Recognized and VDE Certified.**
2 and 3 leaded configurations available in 14mm, 18mm, 20mm, 25mm (round and square types) and 34mm disk sizes and voltage values from 115 VAC - 750 VAC. Including diagnostic options. Industry standard footprint.

- **WPZ25S**
  - Thermally Protected Varistor
  - Alternative package option to meet limited competitor footprint.

**Values from 150VAC to 680VAC, multiple diagnostic options, UL1449 and CUL 4th Edition Type 1 Component Assemblies recognized (Meets SCCR 200KA).**

**UL1449/CUL 4th Edition Recognized, VDE Annex Q Certified.**
Environmental Varistor Series - 5mm-34mm disk diameter types. 11 VAC - 1100 VAC values available. Halogen-free epoxy, fire-retardant coating option. High Energy series types, unique 22mm series (25kA) and 34mm series (60kA) ultra-high current type, unique “pin-type” for discrete thermal fusing.

**UL 1449/CUL 4th Edition Recognized and VDE Annex Q Certified.**
5mm-60mm disk diameter types, 11VAC - 900 VAC values available.

**UL 1449/CUL 4th Edition Recognized.**
Surface mount Metal Oxide Varistor Series, rated to 3500 amps.

**UL Recognized and VDE Certified.**
WP GT Series 2 and 3 element types (including SMD types) 70V-6000V (also fail safe types). 2 Electrode Extremely High Current Series (rated at up to 60kA), Symmetrical and Surface Mount Chip Series (4532 & 3216) sizes. AE Series: High Voltage/Extremely High Current (rated to 100kA) including screw types. Array and Follow Current types available.

**UL Recognized.**
Available in both through-hole and surface mount types. Fast responding, high current, low capacitance, zero leakage current, stable electrical characteristics, RoHS compliant and Halogen Free.

**UL Recognized.**
400 WATT - 30K WATT (leaded and SMD types), WLCE “low capacitance” types, WFC stacked TVS Diodes rated to 20kA and WPA Automotive types.

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**Electronic Component Solutions**

Compliant with Directive 2002/95/EC of the European parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS Directive). A maximum concentration value of 0.1% by weight in homogeneous materials for lead, mercury, hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE) and of 0.01% weight in homogeneous materials for cadmium.
WPI Surge Generator

Our Surge Generator, located in Sonoma, CA, meets the levels and requirements in accordance with the following national and international standards:

- IEC 61000 4-5 – Combination Waveform
- UL 1449 3rd edition
- IEEE/ANSI 62.41 Categories B and C
- IEC 61643-11

FEATURES:

- \( I(n) \) sequence up to 40,000 amps 8/20\( \mu \)s at 600VAC and VPR at 6kV/3kA- 600VA in accordance with UL1449 3rd edition.
- Applies the surge with respect to the AC sinewave from 0 to 360 degrees.
- Includes a back filter that protects the input 220VAC from surges going upstream and damaging other equipment.
- Programmable to surge as many times as needed with time duration between surges.
- Test data can be measured, stored and queried at anytime. Test reports can also be printed out.

Many additional testing capabilities are available. Please contact us for more information.