



## TE/C Series Transient Voltage Surge Suppressor



### Performance Specifications

- Surge Capacity    L-N    L-G  
80kA/phase        40k        40k Standard  
100kA/phase       50k        50k Optional  
\*120kA/phase      60k        60k Optional  
\*150kA/phase      75k        75k Optional  
(\*See Voltage Options on Reverse)
- UL 1283 Fourth Edition Listed
- UL Listed to Canadian safety standards
- UL 1449 Listed 200kA SCCR
- 200KAIR Rated Fusing
- Less than ½ Nanosecond Response Time
- 5000 Category C3 (C High) Impulses with <10% Drift

### Environmental Specifications

- Relative Humidity Range: 0 - 100% Suitable for Indoor and Outdoor Applications
- Operating Frequency: 47 - 400 Hz
- Operating Temperature: -40° C (-40° F) to +60° C (+140° F)

### Standard Configuration

- NEMA 4X Non-Metallic Standard Enclosure
- Standard Size: 8" x 3" x 3"
- Weight: 4 Lbs.

### Design Features

- Designed, Manufactured, & Tested consistent with:
  - IEEE C62.41.1-2002, C62.41.2-2002, and C62.45-2002
  - ANSI/IEEE C62.41-1991 and C62.45-1992
  - NEMA LS-1
  - NEC 285.6
- High Energy Parallel Design for Category C3 and C High Applications
- For External Mounting next to Switchgear, Motor Control Centers, or Panelboards
- Thermal Cutout
- Typical connection: #12 AWG Pre-wired at the Factory and 20A Breaker
- Solid State Bi-directional
- LEDs to Indicate Loss of Protection or Circuit Fully Operational

### Quality

- 5 Year Warranty
- Burn-in Tested Prior to Shipment
- Short Circuit Current Rating 200,000 rms Symmetrical Amperes (UL Listed)
- APT's Quality Management System is ISO 9001:2000 Certified



## TE/(x)C/(zz)

**x = Voltage Code, zz = Options**

Model	Service Voltage	UL 1449 Suppressed Voltage Rating (SVR)			MCOV
		L-N	L-G	L-L	
TE/1C	240V/120 Split Phase	400	400	700	150
TE/11C	120V Single Phase	400	400		150
TE/12C	240V Single Phase	800	800		275
TE/2C	208Y/120V Three Phase, WYE	400	400	700	150
TE/3C	240V/120V Three Phase, High-Leg, DELTA	400/800	400/800	700/1200	150/275
TE/4C	480Y/277V Three Phase, WYE	900	900	1500	320
TE/5C	480V Three Phase, DELTA		1500	1800	575
TE/6C	240V Three Phase, DELTA		800	1000	275
TE/7C	380Y/220V Three Phase, WYE	900	900	1500	320

Ordering information for Optional Features should be appended to the model number and separated by a slash(/).  
Example: TE/2C/120/FM

### Available Options:

- /100** Module Option increases the surge current capacity from 80kA to 100kA/phase (Available on all Voltages)
- /120** Module Option increases the surge current capacity from 80kA to 120kA/phase (\*Only applies to Voltages 1, 11, and 2)
- /150** Module Option increases the surge current capacity from 80kA to 150kA/phase (\*Only applies to Voltages 1, 11, and 2)
- /NG** Adds Neutral to Ground Gas Tube (40kA) (Not Available on Voltages 5, and 6)
- /FM** Flush Mount Option replaces the standard surface mount
- /DC** Dry Contacts monitor each phase providing a summary alarm
- /RI** Remote Indicator Option provides a single LED that can be remotely installed to show Go/No-Go status
- /NF** Noise Filter provides Sinewave Tracking /EMI/RFI Filtering