

Micro Commercial Components Corp.

Transient Voltage Suppressors Application Guide

| | Applications | Applicable MCC P/Ns | | | |
|--|-----------------|---------------------|--------------|------------|--|
| | Consumer | Air Conditioner | 1.5KE220A-TP | | |
| Audio Op-Amp Output Protection Circuit | | LCE26A-TP | LCE28A-TP | | |
| Color TV | | P4KE120A-TP | | | |
| DVD (Digital Video Disk) Player | | 1.5KE180A-TP | P6KE120A-TP | | |
| Emergency Lighting | | P6KE440CA-TP | | | |
| Flight Simulator | | SMCJ36CA-TP | SMCJ170CA-TP | | |
| HDTV | | 1.5KE200A-TP | | | |
| Home Security System | | SA5.0A-TP | SA11CA-TP | SMBJ12A-TP | |
| MP3 Player | | SMBJ22A-TP | | | |
| Security Camera System | | LCE7.0A-TP | SAC7.0-TP | | |
| Smoke Detector | | P6KE20CA-TP | SMBJ40CA-TP | SMBJ43A-TP | |
| TGV ABS System | | 1.5KE160CA-TP | | | |
| Vending Machine | | SMAJ15A-TP | | | |
| Video Camera | P6KE180A-TP | | | | |

| | Applications | Applicable MCC P/Ns | | | |
|-------------------------------|-------------------|-------------------------------|------------|------------|--|
| | Automotive | Adjustable Pedal Module (APM) | SMBJ26A-TP | | |
| Airbag | | 5KP24A-TP | | | |
| Airbag Crash Sensor Module | | SMBJ24CA-TP | | | |
| Alarm System | | P6KE27A-TP | SMBJ24A-TP | | |
| Electronic Ignition Module | | P4KE300A-TP | | | |
| Engine Control | | 1.5KE13A-TP | 5KP24A-TP | SMCJ13A-TP | |
| Load Dump Circuit | | 5KP43A-TP | P6KE68A-TP | | |
| Mass Air Flow Regulator | | SMAJ24CA-TP | | | |
| Oxygen Sensor | | SMAJ15A-TP | | | |
| Power Window Control Module | | P6KE51A-TP | SMBJ45A-TP | | |
| Speed Control Module | | 1.5KE24A-TP | SMCJ22A-TP | | |
| Steering Controller | | 5KP28A-TP | | | |
| Truck Transmission Controller | | SMAJ30CA-TP | | | |

| | Applications | Applicable MCC P/Ns | | | |
|-----------------------------------|-------------------|---------------------|-------------|-------------|--|
| | Industrial | Card Reader | SMBJ5.0A-TP | SMCJ15CA-TP | |
| Control Equipment | | SMAJ15C-TP | | | |
| Elevator | | 1.5KE440A-TP | | | |
| Fire Alarm System | | SA14A-TP | | | |
| Gas Alarm | | SMAJ5.0A-TP | SMAJ170A-TP | | |
| Image Inspection System | | SMBJ5.0A-TP | SMBJ15A-TP | | |
| Nuclear Test Box | | SA45CA-TP | SA51CA-TP | | |
| Power MOSFET protection (P6KE36A) | | P6KE36A-TP | | | |
| Voltage Regulator | | 1.5KE20A-TP | 5KP20A-TP | | |



Micro Commercial Components

Micro Commercial Components Corp.

Transient Voltage Suppressors Application Guide

| Lighting Ballast | Applications | Applicable MCC P/Ns | | | | |
|-----------------------------|--|---------------------|--|--|--|--|
| | Active Power Factor Correction Ballast | P6KE220A-TP | | | | |
| Control Circuitry | P4KE440CA-TP | | | | | |
| Electronic Ballast (EB) | P6KE400A-TP | | | | | |
| Electronic Dimmer Ballast | P4KE440A-TP | | | | | |
| Electronic Lighting Ballast | 1.5KE300A-TP | | | | | |
| Fluorescent Ballast | P6KE300A-TP | | | | | |

| Telecom | Applications | Applicable MCC P/Ns | | | | |
|---------------------------------------|------------------|---------------------|------------|--|--|--|
| | CATV Set-Top Box | P6KE200A-TP | | | | |
| Cable Modem | SMBJ14CA-TP | SMCJ5.0A-TP | | | | |
| Cellular Phone | SMAJ20C-TP | | | | | |
| Commercial Telecom Multiplexer | SMBJ170CA-TP | | | | | |
| Digital ISDN Telecom Network | SMCJ5.0A-TP | | | | | |
| GSM Phone | SMAJ5.0A-TP | SMBJ9.0A-TP | SMBJ16A-TP | | | |
| Personal Handy-Phone System (PHS) [3] | P6KE91A-TP | SMBJ78A-TP | | | | |
| Router | P6KE91A-TP | SMBJ75A-TP | | | | |
| Telecom Switching System | 1.5KE62A-TP | SMCJ58A-TP | | | | |

| Power Supply | Applications | Applicable MCC P/Ns | | | | |
|-------------------------------|-----------------|---------------------|-----------|-----------|-----------|--|
| | AC/DC Converter | SMBJ5.0A-TP | | | | |
| 3.3V SMPS Output | SMBJ20A-TP | | | | | |
| Bank ATM Machine Power Supply | 1.5KE51A-TP | SMCJ45A-TP | | | | |
| High Power SMPS | P6KE160-TP | SMBJ130-TP | | | | |
| Lightning Suppression Board | 5KP51A-TP | 5KP78A-TP | | | | |
| Switching power supply | P6KE200A-TP | | | | | |
| Transient Suppression Circuit | 1.5KE220CA-TP | 5KP5.0A-TP | 5KP12A-TP | 5KP15A-TP | 5KP24A-TP | |

| Computer | Applications | Applicable MCC P/Ns | | | | |
|--------------------------------|--------------|---------------------|-----------|--|--|--|
| | Desktop PC | P4KE6.8A-TP | SA5.0A-TP | | | |
| Disk Drive | SMBJ5.0A-TP | | | | | |
| HDD (Hard Disk Drive) | P6KE22A-TP | SMBJ5.0A-TP | | | | |
| Laser Printer | P4KE200A-TP | P4KE250A-TP | | | | |
| Local Area Network (LAN) Board | SMBJ15CA-TP | | | | | |
| Modem Card | P6KE120CA-TP | SMBJ110CA-TP | | | | |
| Motherboard | P6KE400A-TP | | | | | |
| Printer | SMAJ5.0A-TP | | | | | |
| UPS | 1.5KE300A-TP | 1.5KE6.8A-TP | | | | |