

***TYPICAL APPLICATION***

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**Telecommunications**

Private branch exchanges, Telephone subscriber sets, Telephone pushbutton modules, Telephone answering sets, Power supply units, Transmitting systems

**Automotive electronics**

Central protection of automotive electrical systems, Load-dump protection, Anti-skid controls, Trip recorders, Radios, Motor controls, Generator rectifiers, Central locking systems, Trip computers, Wiper motors, Window lift motors, Airbag electronics, Car phones, Seat memories

**Data systems**

Data transmission lines, Power supply units, Personal computers

**Measuring and control equipment**

Tele metering systems, Remote control systems, Machine tool control systems, Elevator control systems, Alarm systems, Proximity switches, Lighting controls, Power supply units, Ground-fault interrupters, Gas heating electronics, Electronic ballasts

**Stepped protection**

Protection of microelectronic systems, EMI/RFI suppression, EMP/NEMP suppression

**Consumer electronics**

Washing machine control systems, Dimmers, Lamps, Quartz clocks, Electric-motor tools, Thermostats

**Medical equipment**

Diagnostic equipment, Therapeutic equipment, Power supply units

**Power electronics**

Bridge rectifiers, Brake rectifiers, Electric welding, Electric vehicles, Switch-mode power supplies

**Power engineering**

Transformers, Inductors, Motor and generator windings, Transmission line

**Entertainment electronics**

Video sets, TV sets, Slide projectors, Power supply units

**Traffic lighting installations**

Traffic light systems, Runway lighting systems, Beacon lights

**Remark** □ *If semiconductors such as diodes, thyristors and triacs are protected by TVS, these devices may do with a lower reverse voltage strength. This leads to a market cost reduction and can be the factor that really makes a circuit competitive.*