

TVS Diode Single Uni-Dir 12.8V 600W 2-Pin DO-15 T/R

Manufacturer:	Littelfuse Inc
Package/Case:	DO-15
Product Type:	Thyristors
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The P6KE TVS series is designed to protect sensitive equipment against electrostatic discharges according to IEC 61000-4-2, MIL STD 883 Method 3015, and electrical overstress such as IEC 61000-4-4 and 5. They are used for surges below 600 W 10/1000 μ s. This planar technology makes it compatible with high-end equipment and SMPS where low leakage current and high junction temperature are required to provide reliability and stability over time.

Key Features

Peak pulse power:
600 W (10/1000 μ s)
up to 4 kW (8/20 μ s)
600 W (10/1000 μ s)
up to 4 kW (8/20 μ s)
Stand-off voltage range from 5.8 V to 376 V
Unidirectional and bidirectional types
Operating Tj max: 175 °C
High power capability at Tj max.: up to 420 W (10/1000 μ s)
Lead finishing: matte tin plating

Application

Power Supply Protection: It can be used in power supplies to protect sensitive components, such as integrated circuits (ICs), from voltage surges.

Communication Systems: The diode is employed in communication systems, such as Ethernet interfaces, to safeguard against voltage spikes that can damage sensitive circuitry.

Consumer Electronics: It is utilized in consumer electronic devices, such as TVs, computers, and smartphones, to protect against ESD events and other transient voltage disturbances.

Automotive Electronics: The diode finds applications in automotive electronics to protect against voltage surges caused by load dump, electrostatic discharge, or other electrical disturbances.

Industrial Equipment: It is used in industrial equipment and machinery to protect control systems and sensitive electronic components from voltage transients.

Recommended For You

P6KE6.8A

Littelfuse Inc
DO-15

P6KE6.8CA

Littelfuse Inc
DO-15

P6KE200A

Littelfuse Inc
DO-15

P6KE20CA

Littelfuse Inc
DO-15

P6SMB250A

Littelfuse Inc
SMB(DO-214AA)

P6SMB51A

Littelfuse Inc
DO-214AA

P6KE33CA

Littelfuse Inc
DO-15

P6KE24CA

Littelfuse Inc
DO-15

P6SMB62A

Littelfuse Inc
DO-214AA

P6KE33A

Littelfuse Inc
DO-15

P6KE12CA

Littelfuse Inc
DO-15

SZP6SMB33CAT3G

Littelfuse Inc
SMB

P6KE16CA

Littelfuse Inc
DO-15

P6SMB27CA

Littelfuse Inc
DO-214AA

P6SMB480CA

Littelfuse Inc
SMB