What are TVS DIODES?

Transient Voltage Suppression (TVS) Diodes provide a safe path for voltage or current spikes (**Transients**) to go to ground, safely away from sensitive semiconductors. During normal operation, TVS diodes are non-conductive, but when a transient occurs, the TVS diode becomes conductive and safely shunts the transient away from the protected circuit.

They can be commonly found protecting components from **Electrostatic Discharges (ESD)** or keeping transients away from sensitive data lines on PCBs.

