

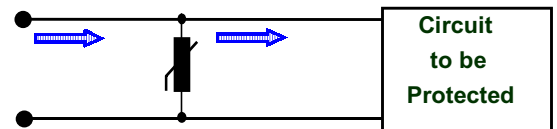
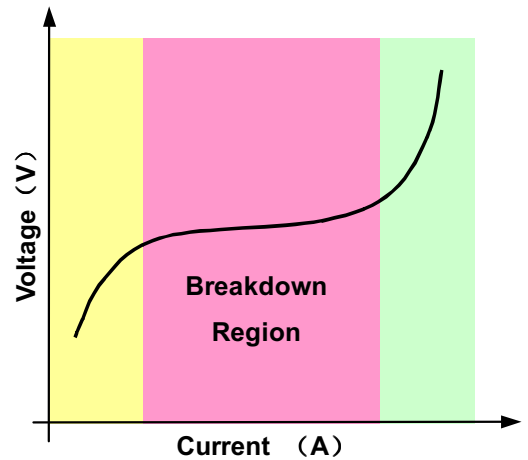
Information for Designer

Voltage Dependent Characteristic

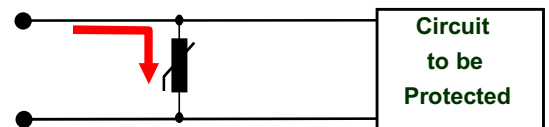
Transient Voltage Suppressors (varistors) are voltage-dependent electrical resistors with symmetrical V/I characteristic. Their resistance value decreases with increasing voltage, thus “short-circuiting” further rises in overvoltage.

The Prevention of Overvoltage

In other words, as long as the voltage increases above the threshold of the TVS, the suppressor will draw a rapidly increasing current, and then the overvoltage is considerably attenuated away from the protected circuit, that is why the inherent protection of the equipments should be supplemented by including specific components that will raise the withstand capabilities to the required level. Varistors provide protection against all kinds of overvoltage and prevent electronic equipment from being damaged by transient events.



Normal State



Overvoltage State