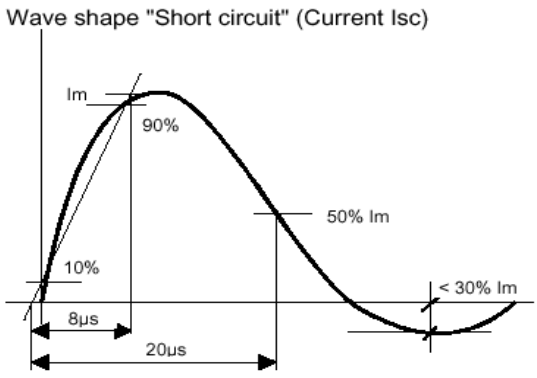
Varen SMD Transient Voltage Suppressors

Definition

Characteristics	Test Method or Description
Max. Working Voltage	Maximum steady-state DC operating voltage the device can maintain and typical leakage current at 25°C not exceed 50 μA.
Varistor Voltage (BDV)	With the specified measuring current of 1mA DC applied.
Max. Clamping Voltage	Maximum peak voltage across the TVS measured at a specified pulse current (A) and waveform 8/20μs.
Surge Current	Maximum peak current may be applied with the specified waveform 8/20μs without device failure.
Surge Shift □V/V	The shift of Varistor voltage after suffering the specified surge current.
Energy Absorption	Maximum energy may be dissipated with a specified waveform 10/1000μs without device failure.
Typical Capacitance	Device Capacitance measured with zero voltage bias $0.5V_{RMS}$ $1KH_Z$/ $1MH_Z$
Nonlinear exponentα	$\alpha=\square\log\square V_{1mA}/V_{0.1mA}\square/\log\square I_{V1mA}/I_{V0.1mA}\square\square$
Leakage Current	Typical leakage current at 25□□50μA

Standard Test Condition: Environmental condition under which every measuring is done without doubt on the measuring results. Unless specially specified, temperature, relative humidity are 5 to 35°C, 45 to 85□RH.

8/20μs waveform current (A)



IEC 61000-4-5, EN 61000-4-5,

This generator complies with UL 1449 August 15. 1996 Table B1.1

"Specification for combinations surge waveforms" with effective impedance 12 and 2 W.