



VG Technology
www.citel.us

What is VG Technology?

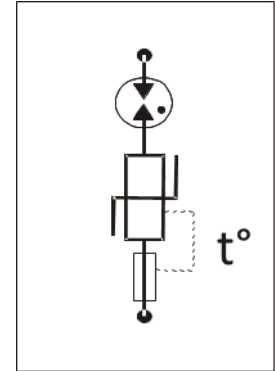
VG technology is CITEL's exclusive and patented technology based on the use of a specific type of Gas-filled spark gap (GSG) coordinated with a specific Metal oxide varistor (MOV).

Features

- ✓ GSG technology optimized for use on powered conductors
- ✓ High energy MOVs
- ✓ High insulation varnish
- ✓ Reinforced construction



3rd Generation



VG Technology Benefits & Advantages



Gas-filled Spark Gap

- Increase Reliability
- No-Leakage



Robust and Reliable

- Increase Reliability
- Longer life expectancy



Low clamping voltage & High current capability

- Maximum efficiency
- Compact Design



Safe disconnection & status signalization

- Safe and easy maintenance



Increased TOV withstand

- Increase Reliability for areas with poor power quality



No aging

- Optimal life expectancy



No follow on Current

- Improve network quality – no power disturbance generation
- Easy SPD selection



Easier Surge protection Coordination

- Easier to use

VG Range of Products



VG TECHNOLOGY FOR AC
AND PHOTOVOLTAIC SURGE PROTECTORS



- DAC50VG : Type 2 AC power SPD, $I_{max} = 50 \text{ kA}$
- DAC1-13VG : Type 1 AC power SPD, $I_{imp} = 12.5 \text{ kA}$
- DS250VG : Type 1 AC power SPD, $I_{imp} = 25 \text{ kA}$.
- DUT250VG : 3-phase Type 1 AC power SPD, $I_{imp} = 25 \text{ kA}$.
- DS60VGPV : Type 1 PV power SPD, $I_{imp} = 12.5 \text{ kA}$
- DS50VGPV : Type 2 PV power SPD, $I_{max} = 40 \text{ kA}$

VG Roadmap – North America



MP100

Target Application-AC
200kA I_{max}
Release Q3 2021



CP100

Target Application-AC
100kA I_{max}
Release Q3 2021



DAC50VGUS

Target Application-AC
50kA I_{max}
Release Q1 2021



MLPXUVG-2775

In- 10kA
Target Application-
LED
Released



For more information on VG Technology and
Products utilizing VG Technology please
contact Citel

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