

## Module

## **OBJECTIVE**

DC applications that include heavy duty motors, generators or where DC power is being switched on and off at frequent intervals, require TVS protection against large surges.

The GPZ1275 is a high power transient voltage suppressor designed to provide protection against long duration switching transient threats. This heavy duty device is constructed using hermetically sealed TVS sub-assemblies.

#### **BENEFIT**

The integrated TVS Diode solution is designed to protect the interface against surge events by using one device to protect DC power lines.

# COMPLIANCE

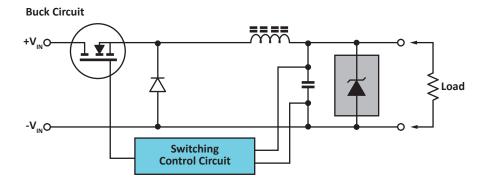
- IEC 61000-4-2 ±8kV Contact, ±15kV Air Discharge
- IEC 61000-4-4 EFT 40A, 5/50ns
- IEC 61000-4-5 Surge Secondary Lightning, 500A @ 10/1000μs
- MIL-STD-1275

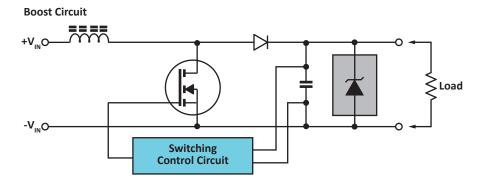
## **SOLUTION**

- 1 x GPZ1275 Module
- Stand-Off Voltage V<sub>WM</sub>: 28V
- Breakdown Voltage B<sub>VMIN</sub>: 32V
- V<sub>c</sub> @ I<sub>p</sub>: 55V @ 500A
- Leakage Current I<sub>ρ</sub>: 60μA

# **ALTERNATE RECOMMENDATIONS**

1 x SM30KPA28AN





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