


DFN-2-KW
OBJECTIVE

The PHYTVS250V3 device is a patent pending hybrid state-of-the-art semiconductor technology intended for AC power transient protection. This PHYTVSxxxV3 series is designed to protect critical industrial and consumer applications, where a reliable overvoltage solution with lower clamping voltage is required.

BENEFIT

The PHYTVSxxxV3 series technology is an ideal replacement for surface mount Metal Oxide Varistors (MOV), offering a more robust product in a small form factor that does not present a wear-out mechanism that is common with MOVs, thus extending significantly its operation lifetime.

COMPLIANCE

- IEC 61000-4-2 (ESD): Level 4 Air $\pm 15\text{kV}$, Contact $\pm 8\text{kV}$
- IEC 61000-4-4 (EFT): 40A
- IEC 61000-4-5 (Surge): L-L Class 2, 250Apk, 8/20 μs , 500V with Req = 2 Ohms

SOLUTION

- 1 x PHYTVS250V3
- Bidirectional 250Vrms Operation 50/60/400Hz AC Lines
- Very Low Clamping Voltage
- Available for SMT Reflow Soldering
- Low Profile and Space Saving Package
- Operating Temperature -55 to +125°C

ALTERNATE RECOMMENDATIONS

- 1 x PHYTVS277V3

