

# 25TPMOV Series

TPMOV® Technology

**SURGE PROTECTIVE DEVICE**

**COMPONENT SPD FOR OEM DESIGN AND BUILD**



## 30% SMALLER FOOTPRINT - SAME RELIABLE TPMOV TECHNOLOGY

Mersen's patented TPMOV technology eliminates common failure modes that occur in the field with standard metal oxide varistors. Internally the TPMOV is comprised of a voltage clamping device and a disconnecting apparatus that monitors the status of the metal oxide disc making the TPMOV a fail-safe device. Upon failure the TPMOV is also equipped with a visual pin indicator as well as a normally open micro-switch providing remote indication, if applicable. Mersen's 25TPMOV is rated for 25kA - 8/20 $\mu$ s peak surge current and is available for maximum continuous operating voltages (MCOV) from 150V to 320VAC.

## FEATURES AND BENEFITS:

- Industry leading, patented, TPMOV® Technology
- Now available in a standard 25mm MOV footprint
- Upstream overcurrent protection not required
- Optional built-in end-of-life indication
- Type 1 SPD allows for use in all types of SPD applications

## RATINGS:

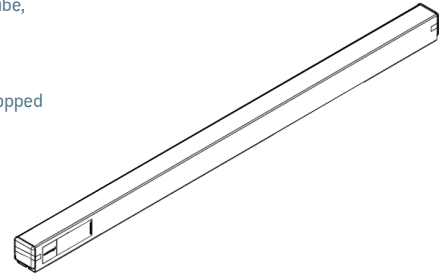
- **Volts ( $U_n$ ):** 150-320VAC
- **Nominal Discharge Current Rating ( $I_n$ ):** 10kA
- **Surge Capacity:** 25kA
- **Short-Circuit Current Rating (SCCR):** 200kA

## APPROVALS:

- ANSI/UL 1449 4th Edition, Type 1 CA SPD, File E210793
- RoHS Compliant



General Product Specifications		Packaging Configuration
<b>Mounting:</b>	Short leads for PCB	42 pcs per clear 24" PVC tube, 10 tubes per carton (420 pcs / carton)  Ensure TPMOVs are not dropped
<b>Single Impulse Surge Capacity:</b>	25kA (8/20µs)	
<b>Nominal Discharge Current Rating:</b>	10kA	
<b>Response Time:</b>	≤25 ns	
<b>Frequency:</b>	50-60Hz	
<b>Mechanical End-of-Life Indicator:</b>	N/C Tact Switch (12VDC, 50mA)	
<b>Operating &amp; Storage Temperature:</b>	-40°C to +85°C	
<b>Enclosure:</b>	Thermoplastic	
<b>Flammability:</b>	UL 94 V-0	



Catalog number	Item number	I <sub>n</sub>	Surge capacity	SCCR	Maximum continuous operating voltage (MCOV, U <sub>c</sub> )	Voltage Protection Rating (VPR) [UL 1449, 6kV, 3kA]
25TPMOVSL150	83050149	10kA	25kA	200kA	150VAC	600V
25TPMOVSL320	83050150	10kA	25kA	200kA	320VAC	1000V

**Dimensions**

