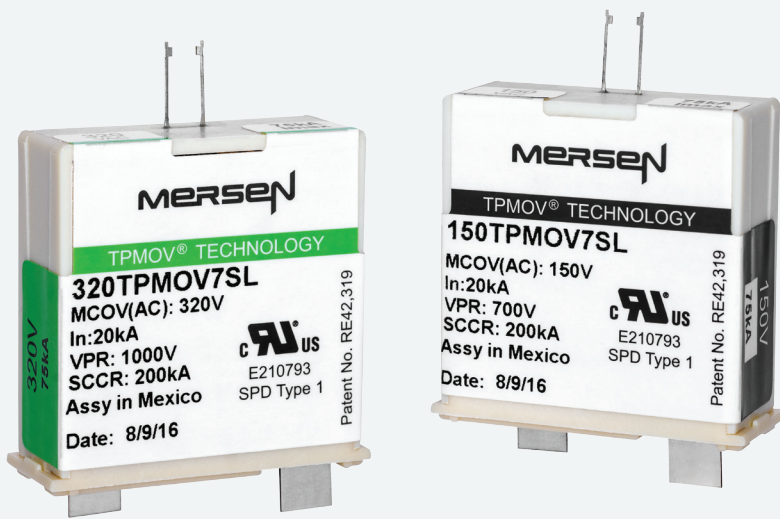


THERMALLY PROTECTED MOV TPMOV® TECHNOLOGY

SURGE PROTECTIVE DEVICE

COMPONENT
SPD FOR OEM
DESIGN AND
BUILD



50% MORE SURGE CAPACITY - SAME FOOTPRINT

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 disk making the TPMOV a fail-safe device. In the event of an overvoltage breakdown the metal oxide disk is securely disconnected from the system power by an arc shield. 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. The TPMOV7 is rated for **75kA - 8/20µs 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 with 75kA surge capacity
- Same footprint as 50kA for drop-in design
- Replace (3) parallel 50kA TPMOVs with (2) parallel 75kA TPMOVs
- Same reliable performance with enhanced rating

RATINGS:

- **Volts (U_n):** 150, 320VAC
- **Nominal Discharge Current Rating (I_n):** 20kA
- **Surge Capacity:** 75kA
- **Short-Circuit Current Rating (SCCR):** 200kA

APPROVALS:

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



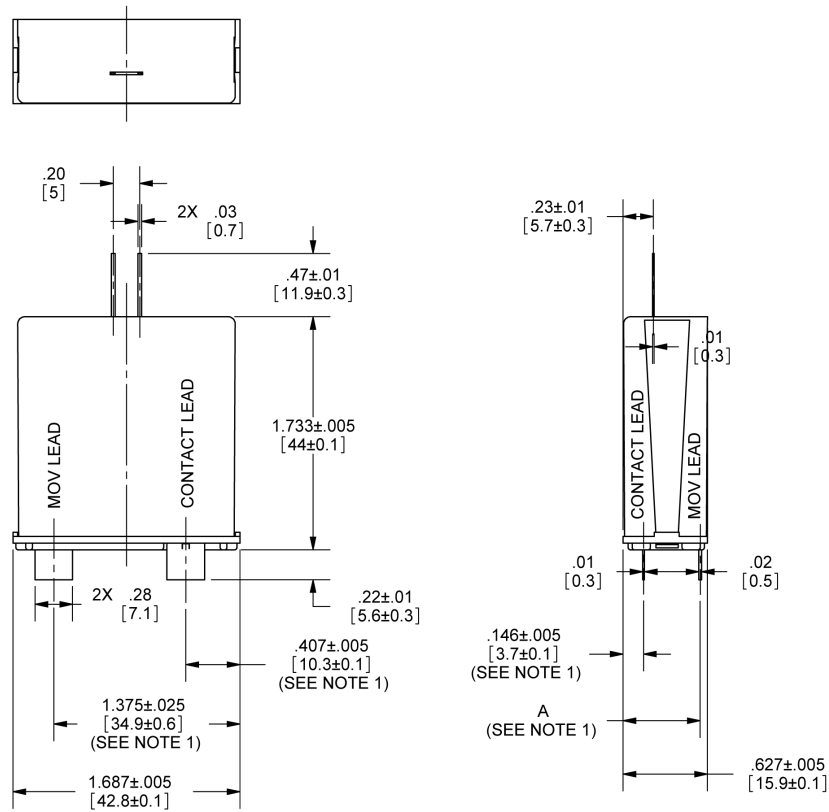
GENERAL PRODUCT SPECIFICATIONS

Mounting: short leads for PCB
Packaging (MOQ): 500 pcs
Mechanical End-of-Life Indicator: N/O Tact Switch

Single Impulse Surge Capacity: 75kA (8/20µs)
Nominal Discharge Current Rating: 20kA
Operating & Storage Temperature: -40°C to +85°C
Frequency: 50-60Hz

CATALOG NUMBER	I _n	SURGE CAPACITY	SCCR	MAXIMUM CONTINUOUS OPERATING VOLTAGE (MCOV, U _c)	VOLTAGE PROTECTION RATING (VPR) (UL 1449, 6kA, 3kV)
150TPMOV7SL	20kA	75kA	200kA	150VAC	600V
320TPMOV7SL	20kA	75kA	200kA	320VAC	1000V

Dimensions



CATALOG NUMBER	A DIMENSION
320TPMOV7SL	.510 +/- .020 [13.0 +/- 0.5]
150TPMOV7SL	.485 +/- .020 [12.3 +/- 0.5]

