



TPM-25 SERIES

Thermally Protected MOVs



Features

- Quick thermal response and perfect circuit cutoff function due to special thermal disconnecter design with arc extinguishing device.
- Wide Operating Temperature Range and High Reliability
- High Surge Current Capability
- Low Leakage Current
- Floating Remote Signaling Contact for Fault Alarm
- Medium Current 100A, 500A, 1000A
- SCCR 200kArms
- Applications In AC Main, Service Entrance, Heavy Industrial, etc.
- Compiles to UL 1449 4th Edition (excluding TPM-25-275 & TPM-25-385)

Specifications

Part Number	V _{RMS} V	V _{DC} V	V _{N(DC)} V	V _{PR} V	I _{TM(IP1)} ¹ kA	I _{TM(IP2)} ¹ kA	t _A nS	Electric Strength VAC	IR mΩ
TPM-25-150	150	200	228 to 270	600	25	10	150	2500	10
TPM-25-180	180	230	250 to 310	800	25	10	150	2500	10
TPM-25-275	275	350	409 to 475	900	25	10	150	2500	10
TPM-25-320	320	410	485 to 563	1000	25	10	150	2500	10
TPM-25-385	385	505	558 to 682	1200	25	10	150	2500	10
TPM-25-420	420	560	646 to 748	1300	25	10	150	2500	10
TPM-25-550	550	745	820 to 1000	1800	22	10	150	2500	10
TPM-25-690	690	910	1000 to 1250	2000	22	10	150	2500	10

¹Check Specifications Definitions for conditions details.

Temperature °C	
Operating Temperature	-40 to 75

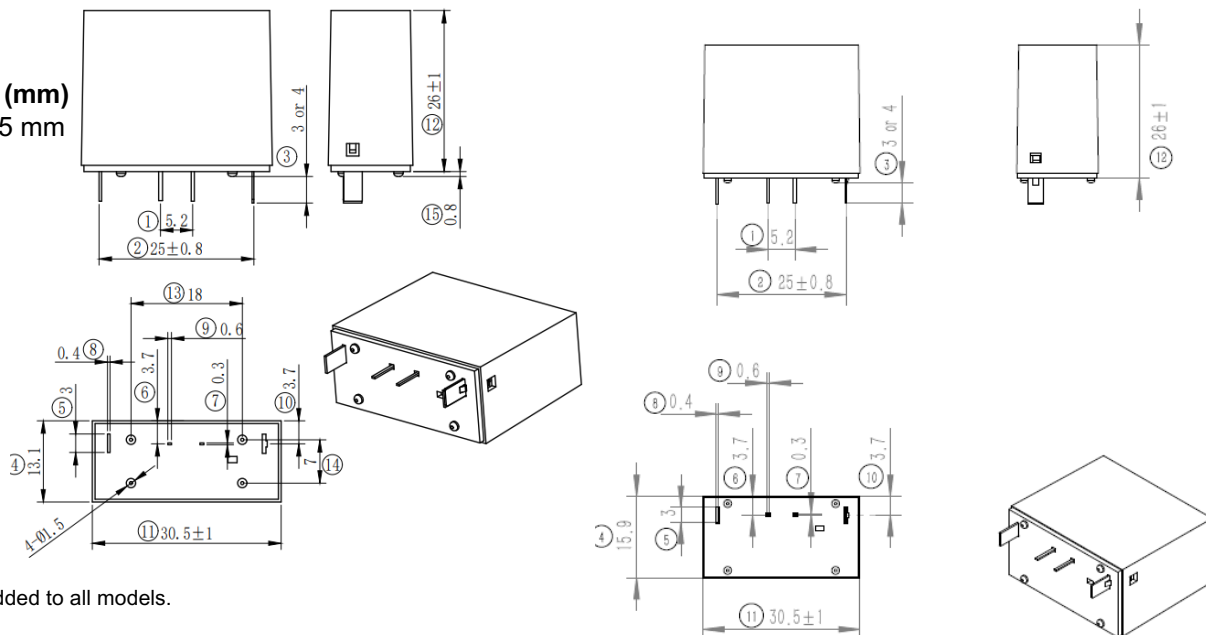


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Drawings

Dimensions Drawing: (mm)

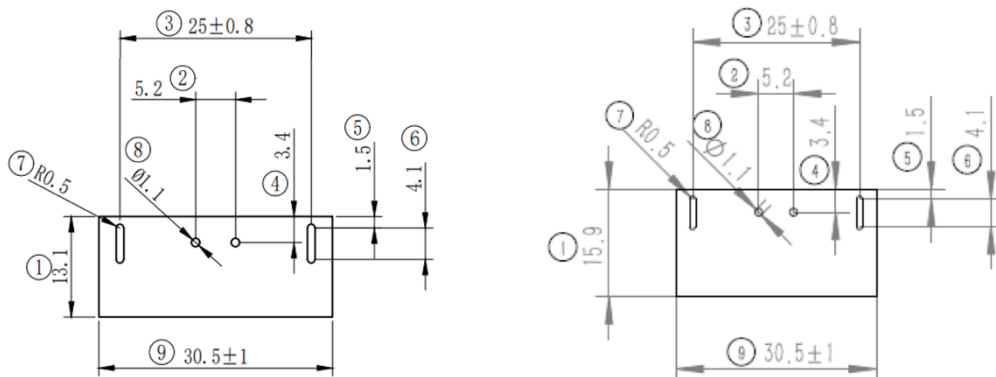
Tolerance without ± 0.5 mm



Note: Standoffs added to all models.

PCB Layout Dimensions: (mm)

Tolerance without ± 0.5 mm



Specification Definitions

Specifications		Conditions
V_{RMS}	Maximum Continuous Operating Voltage AC	-
V_{DC}	Maximum Continuous Operating Voltage DC	-
$V_{N(DC)}$	Varistor Voltage Range	At 1mA
V_{PR}	Voltage Protection Level	-
$I_{TM(IP1)}$	Peak Surge Current	For 1 Pulse, 8 x 20µs
$I_{TM(IP2)}$	Peak Surge Current	For 15 Pulses, 8 x 20µs
t_A	Response Time	-
IR	Insulation Resistance	-

Note: Specifications subject to change without notice. Photo is representation only.

