

2Pro™ Device Series

PRODUCT : LVM2P-075R14431

DOCUMENT: SCD28425 REV LETTER: B

REV DATE: July 26,2016 PAGE NO.: 1 OF 3

Specification Status: Released

Operating Conditions at 20°C:

Maximum Continuous Operating Voltage (V_{mco}): 240V_{ac}

Fault Ratings at 20°C:

Maximum Limited Duration Voltage (V_{Idf}): 415V_{rms} Maximum Limited Duration Current (I_{Idf}): 10A

Insulating Material: Cured, Flame Retardant Epoxy Polymer (meeting UL94 V-0 requirements)

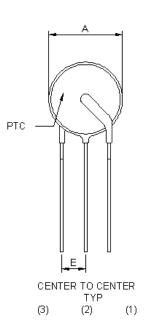
Lead Material:

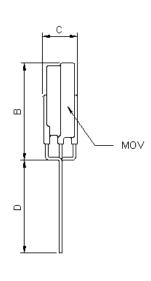
22 AWG Sn-Plated Copper (0.64 mm [0.025"] nominal diameter)

Marking (on MOV side):



FRONT VIEW





Electrical Schematic:

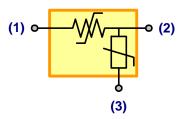


TABLE I. DIMENSIONS:

	Α		В		С		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM
mm:		16.0		21.0		7.4	3.0	5.0	2.5
in:*		(0.63)		(0.83)		(0.29)	(0.12)	(0.20)	(0.10)

^{*}Rounded off approximation



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TABLE II. PPTC-SECTION (TERMINALS 1-2) PERFORMANCE RATINGS @ 20°C:

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HOLD CURRENT (A)	TRIP CURRENT (A)	RESISTANCE (Ω)† TI				TIME TO TRIP† (s) @ 7A	
		R MIN	R MAX	R ₁ MAX*	TYP	MAX	
0.75	1.5	0.37	0.75	1.03	0.9	1.2	

^{*}Maximum device resistance at 20°C measured 1 hour post trip.

TABLE III. MOV-SECTION (TERMINALS 2-3) PERFORMANCE RATINGS @ 20°C:

TABLE III.	MOT BEGINDIN	(TERRIBITATED E O) TERRI ORRIBI	110L 11/1111100 © 10 0.	
VARISTOR VOLTAGE @ 1mA		DC RESISTANCE @ 100V	MAXIMUM CLAMPING VOLTAGE @ 50A	RATED WATTAGE
DC (V)	TOLERANCE	(ΜΩ)	(V)	(W)
430	± 10 %	>10	710	1.0

TABLE IV. SURGE IMMUNITY FOR THE ASSEMBLY (TERMINALS 1-3) @ 20°C:

	VOLTAGE - Open Circuit		CURRENT - Short Circuit			
Parameter	Voltage (V)	Waveform (µs)	Current (A)	Waveform (µs)	Repetitions	
IEC / EN 61000-4-5	2000	1.2 x 50	1000	8 x 20	5 ea. Polarity	

APPLICABLE PART DESCRIPTIONS:

PART DESCRIPTION	PACKAGING	NOTES
LVM2P-075R14431	Bulk	N/A

Agency Recognitions: N/A

Reference Documents: PS300 for PPTC section

Precedence: This specification takes precedence over documents referenced herein.

Effectivity: Reference documents shall be the issue in effect on the date of invitation for bid.

CAUTION: Operation beyond the rated voltage or current may result in rupture, electrical arcing or

flame.

Materials Information

ROHS Compliant ELV Compliant Pb-Free

Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant



[†] Corresponds to operations below varistor switch voltage.



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