

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_{ldf}): 415V_{rms}

Maximum Limited Duration Current (I_{ldf}): 40A

Lead Material:

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

Marking (on MOV side):

 Manufacturer's Mark
 Part Identification
 Lot Identification

Electrical Schematic:

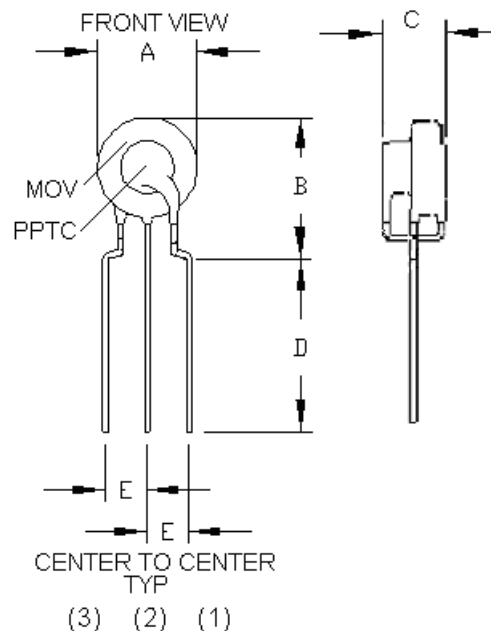
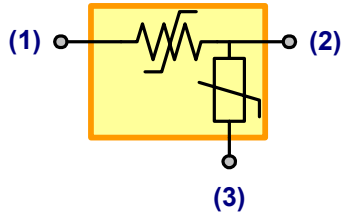


TABLE I. DIMENSIONS:

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM
mm:	--	12.0	--	17.0	--	7.4	8.5	11.5	5.1
in.*	--	(0.47)	--	(0.67)	--	(0.29)	(0.34)	(0.45)	(0.20)

*Rounded off approximation

2Pro™ Device Series

Raychem Circuit Protection Products

PRODUCT: LVM2P-015R10431

DOCUMENT: SCD 27161

REV LETTER: C

REV DATE: JUNE 10, 2010

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

HOLD CURRENT (A)	TRIP CURRENT (A)	RESISTANCE (Ω)†			TIME TO TRIP† (s) @ 1A	
		R MIN	R MAX	R _{1 MAX} *	TYP	MAX
0.15	0.30	6.5	14.0	16.0	0.9	3

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

† Corresponds to operations below varistor switch voltage.

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

VARISTOR VOLTAGE @ 1mA		DC RESISTANCE @ 100V	MAXIMUM CLAMPING VOLTAGE @ 25A	RATED WATTAGE
DC (V)	TOLERANCE	(MΩ)	(V)	(W)
430	± 10 %	>10	710	0.25

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

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

TABLE V. APPLICABLE PART DESCRIPTIONS:

PART DESCRIPTION	PACKAGING	NOTES
LVM2P-015R10431	Bulk	N/A

Agency Recognitions:

N/A

Reference Documents:

Raychem 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

Directive 2002/95/EC
Compliant

ELV Compliant

Directive 2000/53/EC
Compliant

Pb-Free



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Authorized Distribution Brand :



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