

## Specification Status: Released

### Operating Conditions at 20°C:

Maximum Continuous Operating Voltage ( $V_{mco}$ ): 240V<sub>ac</sub>

### Fault Ratings at 20°C:

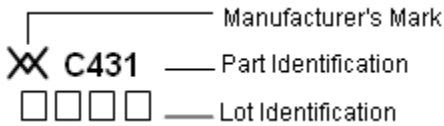
Maximum Limited Duration Voltage ( $V_{ldf}$ ): 415V<sub>rms</sub>

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

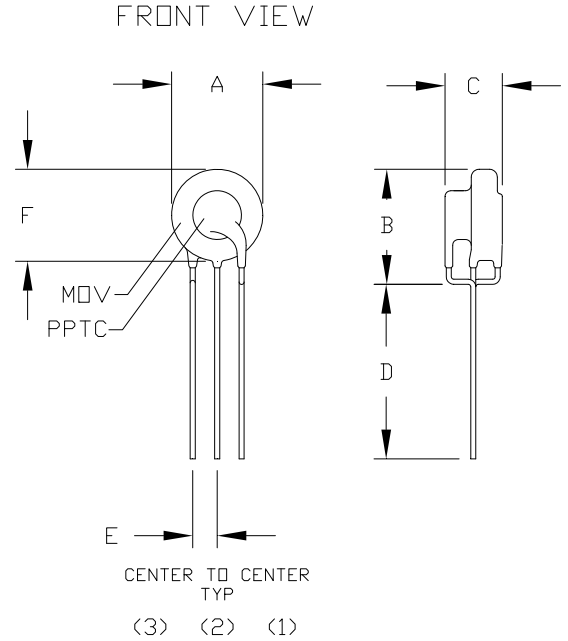
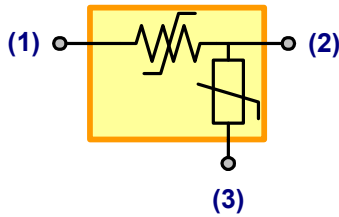
### Lead Material:

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

### Marking (on MOV side):



### Electrical Schematic:



**TABLE I. DIMENSIONS:**

	A		B		C		D NOM	E NOM	F	
	MIN	MAX	MIN	MAX	MIN	MAX			MIN	MAX
mm:	--	12.0	--	17.0	--	7.4	19.0	2.5	--	12.0
in:*	--	(0.47)	--	(0.67)	--	(0.29)	(0.75)	(0.10)	--	(0.47)

\*Rounded off approximation

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

HOLD CURRENT (A)	TRIP CURRENT (A)	RESISTANCE ( $\Omega$ )†			TIME TO TRIP† (s) @ 1A	
		R MIN	R MAX	R <sub>1 MAX</sub> *	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	(M $\Omega$ )	(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 ( $\mu$ s)	Current (A)	Waveform ( $\mu$ s)	
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-015R10431E25	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

