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TE connectivity CIRCUIT PROTECTION
308 Constitution Drive
Menlo Park, CA USA
www.circuitprotection.com

2Pro Device Series

PRODUCT: LVM2P-035R14431

DOCUMENT: SCD28095
REV LETTER: B
REV DATE: MARCH 19, 2014

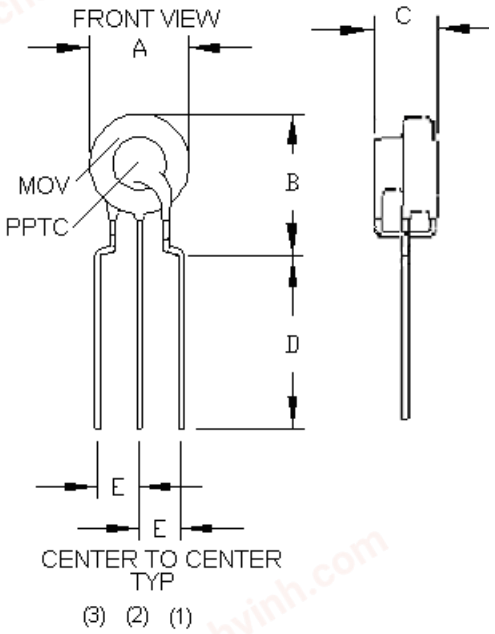
Specification Status: Released

Operating Conditions at 20°C:
Maximum Continuous Operating Voltage (V_{mco}): 240V_{ac}

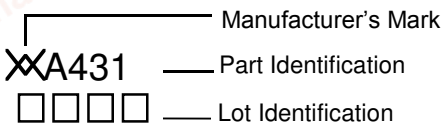
Fault Ratings at 20°C:
Maximum Limited Duration Voltage (V_{ldf}): 400V_{rms}
Maximum Limited Duration Current (I_{ldf}): 40A

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):



Electrical Schematic:

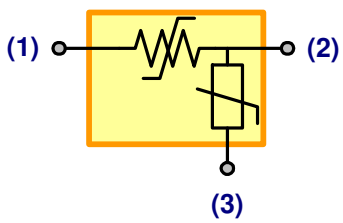


TABLE I. DIMENSIONS:

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM
mm:	--	16.0	--	21.0	--	7.4	3.0	5.0	5.1
in:*	--	(0.63)	--	(0.83)	--	(0.29)	(0.12)	(0.20)	(0.20)

*Rounded off approximation

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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) @ 3A	
		R MIN	R MAX	$R_{1\ MAX}$*	TYP	MAX
0.35	0.75	1.4	2.2	2.8	0.5	2.0

*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 @ 50A	RATED WATTAGE
DC (V)	TOLERANCE	(MΩ)	(V)	(W)
430	± 10 %	>10	710	0.6

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

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-035R14431	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
Directive 2002/95/EC Compliant

ELV Compliant
Directive 2000/53/EC Compliant

Pb-Free

Halogen Free*
HF

* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.

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