

F

E

D

C

B

A

8

7

6

5

4

3

2

1

VICOR CONFIDENTIAL

THIS DOCUMENT AND THE DATA DISCLOSED HEREIN OR
HEREWITH IS NOT TO BE REPRODUCED, USED OR
DISCLOSED IN WHOLE OR IN PART TO ANYONE WITHOUT
THE PERMISSION OF VICOR CORP.

REV.

DESCRIPTION

DATE

APPROVED

1

RELEASED PER E064407

GCK

07/20/06

SH

2

REVISED PER E060922

REJH

08/07/06

SH

3

REVISED PER E101188

KUK

09/24/10

AR

4

REVISED PER E110999

REJH

10/04/11

GK

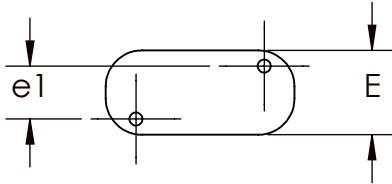
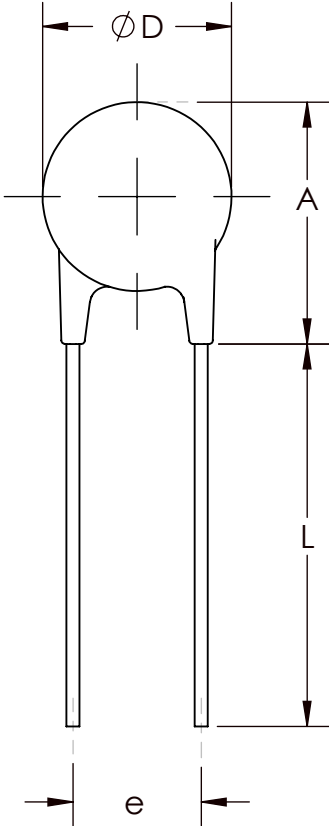
5

REVISED PER E130276a

CES

2/15/13

PH



DIMENSIONS (MAX)
MM / (INCHES)

DASH NO.	A	Ø D	e	e1	E	Ø b	L (MIN.)
-056	16 (.630)	12.5 (.492)	8.5 (.334)	3 (.118)	5 (.197)	0.86 (.034)	25.4 (1.00)
-068	16 (.630)	12.5 (.492)	8.5 (.334)	3.5 (.138)	5.6 (.220)	0.86 (.034)	25.4 (1.00)
-120	16 (.630)	12.5 (.492)	8.5 (.334)	3 (.118)	5 (.197)	0.86 (.034)	25.4 (1.00)
-200	14.5 (.571)	11.5 (.453)	7.5`1.0 (.334`.039)	1.9`1.0 (.075`.039)	4.8 (.189)	0.8 (.031)	20 (.787)
-220	14.5 (.571)	11.5 (.453)	7.5`1.0 (.334`.039)	2.0`1.0 (.079`.039)	4.9 (.193)	0.8 (.031)	20 (.787)
-275	14.5 (.571)	11.5 (.453)	7.5`1.0 (.334`.039)	3.1`1.0 (.122`.039)	6 (.236)	0.8 (.031)	20 (.787)

F

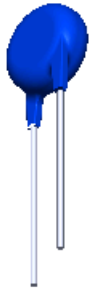
E

D

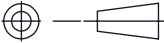
C

B

A



NOTES:
1. RoHS COMPLIANT, LEAD FREE PER CST-0001 LATEST REVISION.

DRAWN BY	DATE	 VICOR SWD		
P.E.IENI	10/04/2011			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE MM /[INCH] TOLERANCES ARE: DECIMALS ANGLES X.XX [X.X] = ±0.25 [0.01] ±1° X.XXX [X.XX] = ±0.127 [0.005]		VAR MOV XXV 10MM LEADED		
		SIZE B	CAGE CODE 67131	DWG NO 30234-XXX
THIRD ANGLE PROJECTION  DO NOT SCALE DRAWING		REV 5		
		SCALE 2:1	SHEET 1 OF 2	

8

7

6

5

4

3

2

1

8

7

6

5

4

3

2

1

F

E

D

C

B

A

VICOR CONFIDENTIAL

THIS DOCUMENT AND THE DATA DISCLOSED HEREIN OR HEREWITH IS NOT TO BE REPRODUCED, USED OR DISCLOSED IN WHOLE OR IN PART TO ANYONE WITHOUT THE PERMISSION OF VICOR CORP.

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
	SEE SHEET 1		

ABSOLUTE MAXIMUM RATINGS:

Operating Ambient Temperature range (T)..... -40 TO +85°C

Storage Temperature Range (T)..... -40 TO +125°C

Temperature Coefficient (xV) of Clamping Voltage (VC) at Specified Test Current..... <0.01%/°C

Hi-Pot Encapsulation (Isolation Voltage Capability)..... 2500 V

(Dielectric must withstand indicated DC voltage for one minute per MIL-STD-202 Method 301)

Insulation Resistance..... 1000 MΩ

MAXIMUM RATING @ Ta = 85° C

MAXIMUM RATING @ Ta = 85° C			OPTIONS						
Parameter	Symbol	Test Condition	-056	-068	-120	-200	-220	-275	Units
Continuous AC Voltage	V M(AC)RMS		35	40	75	130	140	275	V
Continuous DC Voltage	V M(DC)		45	56	102	170	180	350	V
Transient Single Pulse Energy	W TM	10 x 1000 μs current wave (1)	5.5	6.5	12	35	39	80	J
Transient Peak Pulse Current	I M	8 x 20μ s current wave	500	500	2500	2500	2500	2500	A

(I) Average power dissipation of transients not to exceed 0.4W

ELECTRICAL SPECIFICATIONS @ Ta = 25° C

ELECTRICAL SPECIFICATIONS @ Ta = 25° C			OPTIONS																		
Parameter	Symbol	Test Condition	30234-056			30234-068			30234-120			30234-200			30234-220			30234-275			Units
			Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	
Varistor Voltage	V NOM	ImA DC	50		62	61		75	108		132	185		225	198		242	387		473	V
Clamping Voltage	V C	8 x 20 μs current wave			110			135			200			340			360			710	V
Peak Current at V C	I PK				5			5			25			25			25			25	A
Capacitance	C	f = 1MHz		1800			1500			750				430			410			270	pF

DRAWN BY

P.E.IENI

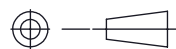
DATE

10/04/2011

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE MM /[INCH]

TOLERANCES ARE:
DECIMALS ANGLES
X.XX [X.X] = ±0.25 [0.01] ±1°
X.XXX [X.XX] = ±0.127 [0.005]

THIRD ANGLE PROJECTION



DO NOT SCALE DRAWING

 **VICOR**

SWD

VAR MOV XXV 10MM LEADED

SIZE

B

CAGE CODE

67131

DWG NO

30234-XXX

REV

5

SCALE 2:1

SHEET 2 OF 2

8

7

6

5

4

3

2

1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Vicor:

[30234-220](#) [30234-056](#) [30234-068](#)