

VICOR CONFIDENTIAL

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REV.	DESCRIPTION	DATE	APPROVED
01	RELEASED PER E020225	5/3/02	GCK

ABSOLUTE MAXIMUM RATINGS:

Operating Ambient Temperature range (T_A).....	-55 to + 85	$^{\circ}\text{C}$
Storage Temperature Range (T_{STG}).....	-55 to +125	$^{\circ}\text{C}$
Temperature Coefficient (α_V) of Clamping Voltage (V_C) at Specified Test Current.....	<0.01	%/ $^{\circ}\text{C}$
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	M Ω

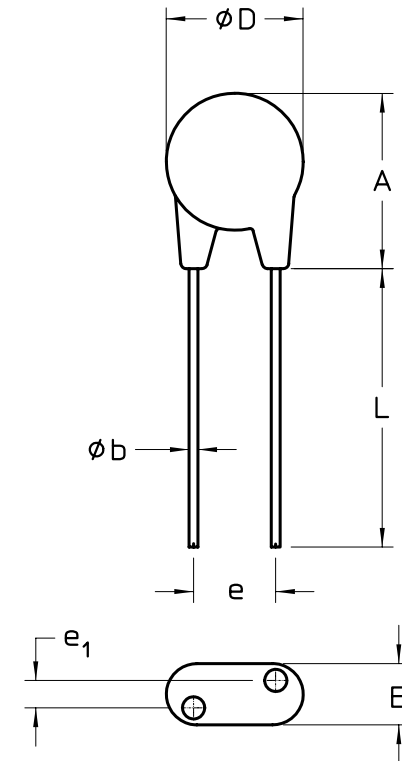
MAXIMUM RATING @ $T_a = 85^{\circ}\text{C}$

Parameter	Symbol	Test Condition		Units
Continuous AC Voltage	V_{MACRMS}		250	V
Continuous DC Voltage	V_{MDC}		330	V
Transient Single Pulse Energy	W_{TM}	10 x 1000 μs current wave (1)	72	J
Transient Peak Pulse Current	I_{TM}	8 x 20 μs current wave	4500	A

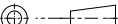
(1) Average power dissipation of transients not to exceed 0.4W

ELECTRICAL SPECIFICATIONS @ $T_a = 25^{\circ}\text{C}$

Parameter	Symbol	Test Condition	Min	Typ	Max	Units
Varistor Voltage	V_{NOM}	1mA DC	354		429	V
Clamping Voltage	V_C	8 x 20 μs current wave			650	V
Peak Current at V_C	I_{PK}				50	A
Capacitance	C	f = 1MHz		500		pF



DIMENSIONS	MILLIMETER (INCHES)	
	MIN	MAX
A	----	20 (.787)
Dia. D	----	17 (.669)
e	6.5 (.256)	8.5 (.335)
e ₁	1.5 (.059)	3.5 (.138)
E	----	5.6 (.220)
Dia. b	.76 (.030)	.86 (.034)
L	25.4 (1.00)	----

DRAWN BY D.P. KELLY		DATE 1/02		 VICOR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM/(IN)- TOLERANCES ARE: DECIMALS ANGLES XX- ± 0.254 [.01] ± 1° XXX- ± 0.127 [.005]					
THIRD ANGLE PROJECTION 				VARISTOR, RADIAL LEAD MOV, LINE-VOLTAGE	
DO NOT SCALE DRAWING		SIZE B	FSCM NO. 67131	DWG NO. 03040	REV 01
		SCALE 2X	SHEET 1 OF 1		

**VARISTOR, RADIAL LEAD
MOV, LINE-VOLTAGE**