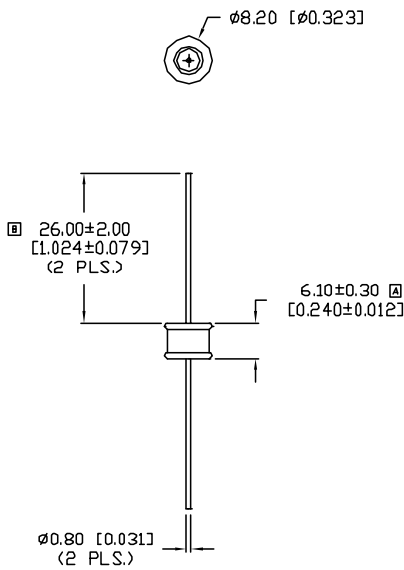


UNCONTROLLED DOCUMENT

PART NUMBER
GT-BG145L

REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CORRECTED DIM. WHERE NOTED.	11-3-94
B	E.C.N. #10431. & #10BRDR. & REDRAWN.	3-24-00



ELECTRICAL SPECIFICATIONS		
PARAMETER	TEST CONDITION	VALUE
D.C. FIRING VOLTAGE:	(dv/dt 100V/S)	145V±20% D.C.
IMPULSE FIRING VOLTAGE:	(dv/dt 5kV/μS)	1000V D.C. MAX.
IMPULSE CURRENT:	(8/20μS)	10KA MAX.
D.C. HOLDOVER VOLTAGE:	(150mS MAX.)	70V D.C. MAX.
A.C. DISCHARGE CURRENT:	(1S X 10 TIMES)	5A
IMPULSE CURRENT SURGE LIFE:	(10/1000μS 500A)	600 TIMES MIN.
INSULATION RESISTANCE:	(50 OR 100VDC)	10 ⁴ MΩ MIN.
INTER-ELECTRODE CAPACITANCE:	2 PF MAX.	1.0kHz

ENVIRONMENTAL SPECIFICATIONS PER MIL-STD 202			
TEST	METHODE	CONDITION	RATING
VIBRATION TESTING:	204B	C	10-55Hz, .08DA
SHOCK	213A	C	100 g
HUMIDITY:	103B	B	95% Re. HUMIDITY
TEMPERATURE CYCLING:	102A	C	-65 TO +125 °C
BAROMETRIC PRESSURE:	105C	B	50,000 ft.
THERMAL SHOCK:	107	B	-65 TO +125 °C
SOLDERABILITY:	208	B	

RESPONSE TIME	
SURGE TYPE	(Rt MAX.)
1Kv/mS	1 x 10 ⁻³ sec.
1Kv/μS	1 x 10 ⁻⁶ sec.
5Kv/μS	1 x 10 ⁻⁸ sec.

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*TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD LENGTH=±0.75 (±0.030). MIN= ^{+0.00}/_{-0.00} DECIMAL PRECISION MAX.= ^{+0.00}/_{-0.00} DECIMAL PRECISION

REV. B	PART NUMBER GT-BG145L	<p>CONFIDENTIAL INFORMATION</p> <p>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.</p> <p>RELIABILITY NOTE</p> <p>OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.</p>	<p>LUMEX INCORPORATED</p> <p>290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: (847) 359-2790 WEB: http://www.lumex.com</p>
MEDIUM DUTY GLASS BUTTON AXIAL LEADED, SURGE ARRESTOR, 145 VDC.		<p>DRAWN BY: BC</p> <p>CHECKED BY:</p> <p>APPROVED BY:</p> <p>DATE: 12-3-93</p> <p>PAGE: 1 OF 1</p> <p>SCALE: N/A</p>	