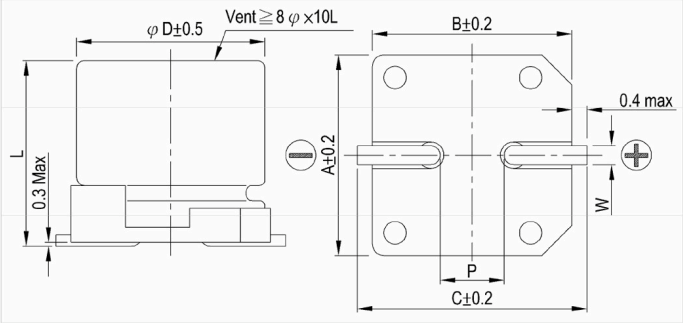
Surge\Lelon P/N: VZH221M1HTR-1010CS	SURGE\LELON ELECTRONICS CORP. VZH 220 μF / 50 V – 10φ× 10L	Page：1 / 1

CUSTOMER :

CUSTOMER P/N: 306169-221HJ

DIAGRAM OF DIMENSIONS

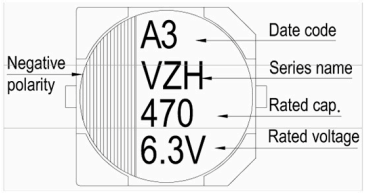


Unit: mm

φD	10
L	10 ± 0.5
A	10.4
B	10.4
C	11.0
W	0.7 ~ 1.3
P	4.7 ± 0.2

Items	Performance	
Category Temperature Range	-55℃ ~ +105℃	
Capacitance Tolerance	-20 % ~ +20 %	(120 Hz, 20℃)
Surge Voltage	63 VDC	
Leakage Current	I ≦ 110 μA	After 2 minutes
Dissipation Factor (Tanδ)	≦ 0.10	(120 Hz, 20℃)
Impedance	＜ 0.18 Ω	(100kHz, 20℃)
Ripple Current (rms)	670 mA	(100kHz, 105℃)
Low Temperature Characteristics(120 Hz)	Z(-25℃)/Z(+20℃) = 2 Z(-55℃)/Z(+20℃) = 3	
Ripple Current & Frequency Multipliers	Frequency (Hz): 50, 60 / 120 / 1k / 10k up Multiplier: 0.60 / 0.70 / 0.85 / 1.00	
Life Test: Endurance: After 5000 Hrs at 105℃ Shelf Life Test: After 1000 Hrs at 105℃	Capacitance Change: Within ±30 % of initial value Dissipation factor: Less than 300% of specified value Leakage Current: Within specified value	
Standards	JIS C 5101-1, -18	
Remarks	RoHS Compliance & Halogen-free	

Marking: Each capacitor shall be marked with the following information.



A 3 → January , 2013

The suffix of A. D.

Month of manufacture

Month	1	2	3	4	5	6
Code	A	B	C	D	E	F
Month	7	8	9	10	11	12
Code	G	H	I	J	K	L

Marking color: Black

* Please refer to “ Precautions and Guidelines for Aluminum Electrolytic Capacitors ” of Lelon's catalog.

Publish Date	March 4, 2013	Approval Signatures:	Approved	Checked	Designed
Revise Date			R & D MAR. 4. 2013 Addie Lin	R & D MAR. 4. 2013 Jack Huang	R & D MAR. 4. 2013 J. H. Xiong
Edition No.	1	Please return one copy with your approval			