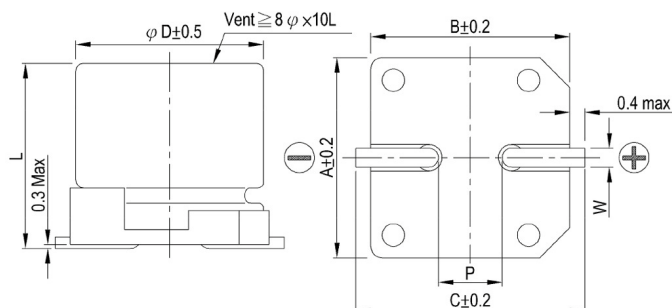


Surge\Lelon P/N: VZH331M1VTR-1010CS	SURGE\LELON ELECTRONICS CORP. VZH 330 μ F / 35 V – 10 ϕ × 10L	Page : 1 / 1
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CUSTOMER :

CUSTOMER P/N:

DIAGRAM OF DIMENSIONS



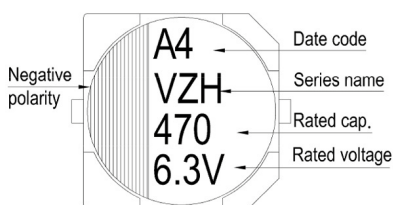
Unit: mm

ϕ D	10
L	10 $\pm$ 0.5
A	10.4
B	10.4
C	11.0
W	0.7 ~ 1.3
P	4.7 $\pm$ 0.2

Items	Performance																			
Category Temperature Range	-55℃ ~ +105℃																			
Capacitance Tolerance	-20 % ~ +20 % (120 Hz, 20℃)																			
Surge Voltage	40.3 VDC																			
Leakage Current	I ≤ 116 μA After 2 minutes																			
Dissipation Factor (Tanδ)	≤ 0.12 (120 Hz, 20℃)																			
Impedance	< 0.08 Ω (100kHz, 20℃)																			
Ripple Current (rms)	850 mA (100kHz, 105℃)																			
Low Temperature Characteristics(120 Hz)	<table><tr><td>Z(-25℃)/Z(+20℃)</td><td colspan="4">2</td></tr><tr><td>Z(-55℃)/Z(+20℃)</td><td colspan="4">3</td></tr></table>					Z(-25℃)/Z(+20℃)	2				Z(-55℃)/Z(+20℃)	3								
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Z(-55℃)/Z(+20℃)	3																			
Ripple Current & Frequency Multipliers	<table><tr><td>Frequency (Hz)</td><td>50, 60</td><td>120</td><td>1k</td><td>10k up</td></tr><tr><td>Multiplier</td><td>0.60</td><td>0.70</td><td>0.85</td><td>1.00</td></tr></table>					Frequency (Hz)	50, 60	120	1k	10k up	Multiplier	0.60	0.70	0.85	1.00					
Frequency (Hz)	50, 60	120	1k	10k up																
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Life Test: Endurance: After 5000 Hrs at 105℃ Shelf Life Test: After 1000 Hrs at 105℃	<table><tr><td>Capacitance Change</td><td colspan="4">Within ±30 % of initial value</td></tr><tr><td>Dissipation factor</td><td colspan="4">Less than 300% of specified value</td></tr><tr><td>Leakage Current</td><td colspan="4">Within specified value</td></tr></table>					Capacitance Change	Within ±30 % of initial value				Dissipation factor	Less than 300% of specified value				Leakage Current	Within specified value			
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 4 → January , 2014



- The last digit 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 19, 2014	Approval Signatures:	Approved	Checked	Designed
Revise Date					
Edition No.	1				

Please return one copy with your approval