

Surge\Lelon P/N:
VZH471M1VTR-1313CS

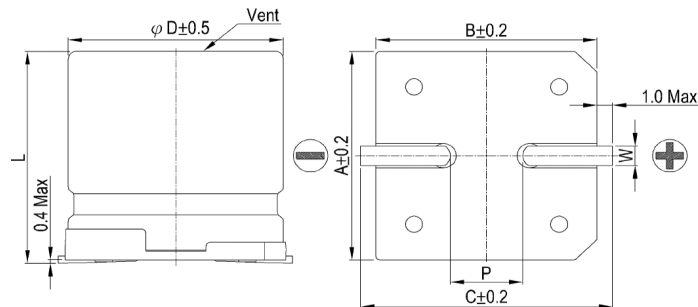
SURGE\LELON ELECTRONICS CORP.
VZH 470 μ F / 35V – 12.5 ϕ × 13.5L

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CUSTOMER :

CUSTOMER P/N:

DIAGRAM OF DIMENSIONS



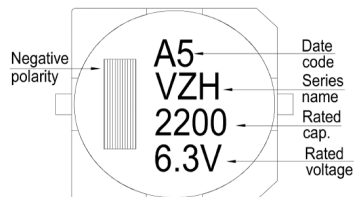
Unit: mm

ϕ D	12.5
L	13.5 $\pm$ 0.5
A	13.0
B	13.0
C	13.7
W	1.1 ~ 1.4
P	4.4 $\pm$ 0.2

Items	Performance																			
Category Temperature Range	-55℃ ~ +105℃																			
Capacitance Tolerance	-20 % ~ +20 %		(120 Hz, 20℃)																	
Surge Voltage	40.3 VDC																			
Leakage Current	I ≤ 165 μA		After 2 minutes																	
Dissipation Factor (Tanδ)	≤ 0.12		(120 Hz, 20℃)																	
Impedance	< 0.06 Ω		(100kHz, 20℃)																	
Ripple Current (rms)	1190 mA		(100kHz, 105℃)																	
Low Temperature Characteristics(120 Hz)	Z(-25℃)/Z(+20℃)		2																	
	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					
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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			
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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 5 → January , 2015



→ 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	October 16, 2015	Approval Signatures:	Approved	Checked	Designed
Revise Date					
Edition No.	1				

Please return one copy with your approval