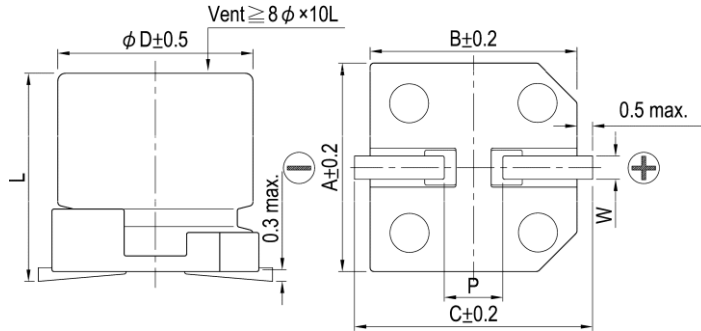


CUSTOMER : 日鑫股份有限公司

CUSTOMER P/N: VUA221M1ETR-0810L

PRODUCT DIMENSIONS

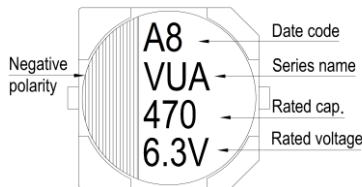


Unit: mm

φD	8
L	10 ± 0.5
A	8.3
B	8.3
C	9.0
W	0.7~1.1
P	3.1 ± 0.2

Items	Performance															
Rated Voltage V_R	25 V															
Capacitance C_R	220 μF (120 Hz, 20°C)															
Category Temperature Range	-40°C ~ +125°C															
Capacitance Tolerance	-20 % ~ +20 % (120 Hz, 20°C)															
Surge Voltage V_S	28.8 V _{DC}															
Leakage Current (20°C)	$I_{LEAK} \leq 165 \mu A$ After 1 minutes															
Tan δ	≤ 0.16 (120 Hz, 20°C)															
Impedance $_{max.}$	$< 0.4 \Omega$ (100k Hz, 20°C)															
Ripple Current ($I_{AC, R} / rms$)	220 mA (100k Hz, 125°C)															
Low Temperature Characteristics at 120 Hz	$Z_{(-25^\circ C)} / Z_{(+20^\circ C)}$ 4															
	$Z_{(-40^\circ C)} / Z_{(+20^\circ C)}$ 6															
Ripple Current (A) and Frequency Multipliers	<table border="1"> <tr> <td>Frequency (Hz)</td> <td>50</td> <td>120</td> <td>1k</td> <td>10k up</td> </tr> <tr> <td>Multiplier</td> <td>0.80</td> <td>1.00</td> <td>1.25</td> <td>1.40</td> </tr> </table>	Frequency (Hz)	50	120	1k	10k up	Multiplier	0.80	1.00	1.25	1.40					
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Endurance and Shelf Life Test	<table border="1"> <tr> <td>Items</td> <td>Endurance</td> <td>Shelf Life Test</td> </tr> <tr> <td>Test Time</td> <td>2,000 Hrs at 125°C; V_R</td> <td>1,000 Hrs at 125°C</td> </tr> <tr> <td>Cap. Change</td> <td>Within ±30 % of initial value</td> <td>Within ±30 % of initial value</td> </tr> <tr> <td>Tan δ</td> <td>Less than 300% of specified value</td> <td>Less than 300% of specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Within specified value</td> <td>Within specified value</td> </tr> </table>	Items	Endurance	Shelf Life Test	Test Time	2,000 Hrs at 125°C; V_R	1,000 Hrs at 125°C	Cap. Change	Within ±30 % of initial value	Within ±30 % of initial value	Tan δ	Less than 300% of specified value	Less than 300% of specified value	Leakage Current	Within specified value	Within specified value
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Leakage Current	Within specified value	Within specified value														
Standards	AEC-Q200-REV D., IEC 60384-4															
Remarks	RoHS Compliance, Halogen-free															

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



A 8 → January, 2018

→ 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" section in Lelon's catalog for further details.

Publication Date	August 2, 2018	Approval Signatures:	Approved	Checked	Designed
Revision Date					
Version No.	1		Please return one copy with your approval		