



## DESIGN KIT

# WCAP-ASLU Aluminum Electrolytic Capacitors

SMT V-Chip – 1000 h @ 85 °C



### TECHNICAL DATA:

|                |                          |
|----------------|--------------------------|
| C:             | 0.1 – 330 $\mu$ F        |
| $U_R$ :        | 6.3 – 50 V <sub>DC</sub> |
| $I_{ripple}$ : | 1 – 155 mA               |
| D x L:         | 4 x 5.5 – 8 x 6.5 mm     |

Order Code 865 090

Version 1.0

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## WCAP-ASLU Aluminum Electrolytic Capacitors

SMT V-Chip – 1000 h @ 85 °C



|  |   |   |  |  |  |   |
|--|---|---|--|--|--|---|
| <b>865 090 140 003</b> <b>6.3 V</b><br>ASBB055330M6R3DVCTAA000<br><b>C:</b> 33 $\mu$ F<br>I <sub>ripple</sub> : 37 mA<br>D x L: 4 x 5.5 mm   | <b>865 090 140 004</b> <b>6.3 V</b><br>ASBB055470M6R3DVCTAA000<br><b>C:</b> 47 $\mu$ F<br>I <sub>ripple</sub> : 45 mA<br>D x L: 4 x 5.5 mm  | <b>865 090 142 005</b> <b>6.3 V</b><br>ASBC055101M6R3DVCTBA000<br><b>C:</b> 100 $\mu$ F<br>I <sub>ripple</sub> : 70 mA<br>D x L: 5 x 5.5 mm   | <b>865 090 145 008</b> <b>6.3 V</b><br>ASBD077331M6R3DVCTCA000<br><b>C:</b> 330 $\mu$ F<br>I <sub>ripple</sub> : 155 mA<br>D x L: 6.3 x 7.7 mm | <b>865 090 240 001</b> <b>10 V</b><br>ASBB055100M010DVCTAA000<br><b>C:</b> 10 $\mu$ F<br>I <sub>ripple</sub> : 23 mA<br>D x L: 4 x 5.5 mm    | <b>865 090 240 002</b> <b>10 V</b><br>ASBB055220M010DVCTAA000<br><b>C:</b> 22 $\mu$ F<br>I <sub>ripple</sub> : 33 mA<br>D x L: 4 x 5.5 mm  | <b>865 090 242 003</b> <b>10 V</b><br>ASBC055330M010DVCTBA000<br><b>C:</b> 33 $\mu$ F<br>I <sub>ripple</sub> : 41 mA<br>D x L: 5 x 5.5 mm   |
| <b>865 090 245 005</b> <b>10 V</b><br>ASBD077101M010DVCTCA000<br><b>C:</b> 100 $\mu$ F<br>I <sub>ripple</sub> : 75 mA<br>D x L: 6.3 x 7.7 mm | <b>865 090 249 008</b> <b>10 V</b><br>ASBE065221M010DVCTBA000<br><b>C:</b> 220 $\mu$ F<br>I <sub>ripple</sub> : 135 mA<br>D x L: 8 x 6.5 mm | <b>865 090 245 007</b> <b>10 V</b><br>ASBD077221M010DVCTCA000<br><b>C:</b> 220 $\mu$ F<br>I <sub>ripple</sub> : 125 mA<br>D x L: 6.3 x 7.7 mm | <b>865 090 349 007</b> <b>16 V</b><br>ASBE065101M016DVCTBA000<br><b>C:</b> 100 $\mu$ F<br>I <sub>ripple</sub> : 92 mA<br>D x L: 8 x 6.5 mm     | <b>865 090 440 003</b> <b>25 V</b><br>ASBB055100M025DVCTAA000<br><b>C:</b> 10 $\mu$ F<br>I <sub>ripple</sub> : 27 mA<br>D x L: 4 x 5.5 mm    | <b>865 090 442 004</b> <b>25 V</b><br>ASBC055220M025DVCTBA000<br><b>C:</b> 22 $\mu$ F<br>I <sub>ripple</sub> : 42 mA<br>D x L: 5 x 5.5 mm  | <b>865 090 443 005</b> <b>25 V</b><br>ASBD055330M025DVCTBA000<br><b>C:</b> 33 $\mu$ F<br>I <sub>ripple</sub> : 52 mA<br>D x L: 6.3 x 5.5 mm |
| <b>865 090 449 007</b> <b>25 V</b><br>ASBE065470M025DVCTBA000<br><b>C:</b> 47 $\mu$ F<br>I <sub>ripple</sub> : 70 mA<br>D x L: 8 x 6.5 mm    | <b>865 090 449 009</b> <b>25 V</b><br>ASBE065101M025DVCTBA000<br><b>C:</b> 100 $\mu$ F<br>I <sub>ripple</sub> : 110 mA<br>D x L: 8 x 6.5 mm | <b>865 090 445 008</b> <b>25 V</b><br>ASBD077101M025DVCTCA000<br><b>C:</b> 100 $\mu$ F<br>I <sub>ripple</sub> : 102 mA<br>D x L: 6.3 x 7.7 mm | <b>865 090 540 003</b> <b>35 V</b><br>ASBB0554R7M035DVCTAA000<br><b>C:</b> 4.7 $\mu$ F<br>I <sub>ripple</sub> : 18 mA<br>D x L: 4 x 5.5 mm     | <b>865 090 543 005</b> <b>35 V</b><br>ASBD055220M035DVCTBA000<br><b>C:</b> 22 $\mu$ F<br>I <sub>ripple</sub> : 46 mA<br>D x L: 6.3 x 5.5 mm  | <b>865 090 549 007</b> <b>35 V</b><br>ASBE065330M035DVCTBA000<br><b>C:</b> 33 $\mu$ F<br>I <sub>ripple</sub> : 62 mA<br>D x L: 8 x 6.5 mm  | <b>865 090 545 006</b> <b>35 V</b><br>ASBD077330M035DVCTCA000<br><b>C:</b> 33 $\mu$ F<br>I <sub>ripple</sub> : 58 mA<br>D x L: 6.3 x 7.7 mm |
| <b>865 090 549 009</b> <b>35 V</b><br>ASBE065470M035DVCTBA000<br><b>C:</b> 47 $\mu$ F<br>I <sub>ripple</sub> : 80 mA<br>D x L: 8 x 6.5 mm    | <b>865 090 545 008</b> <b>35 V</b><br>ASBD077470M035DVCTCA000<br><b>C:</b> 47 $\mu$ F<br>I <sub>ripple</sub> : 75 mA<br>D x L: 6.3 x 7.7 mm | <b>865 090 640 001</b> <b>50 V</b><br>ASBB055R10M050DVCTAA000<br><b>C:</b> 0.1 $\mu$ F<br>I <sub>ripple</sub> : 1 mA<br>D x L: 4 x 5.5 mm     | <b>865 090 640 002</b> <b>50 V</b><br>ASBB055R22M050DVCTAA000<br><b>C:</b> 0.22 $\mu$ F<br>I <sub>ripple</sub> : 2 mA<br>D x L: 4 x 5.5 mm     | <b>865 090 640 003</b> <b>50 V</b><br>ASBB055R33M050DVCTAA000<br><b>C:</b> 0.33 $\mu$ F<br>I <sub>ripple</sub> : 2.8 mA<br>D x L: 4 x 5.5 mm | <b>865 090 640 004</b> <b>50 V</b><br>ASBB055R47M050DVCTAA000<br><b>C:</b> 0.47 $\mu$ F<br>I <sub>ripple</sub> : 4 mA<br>D x L: 4 x 5.5 mm | <b>865 090 640 005</b> <b>50 V</b><br>ASBB055010M050DVCTAA000<br><b>C:</b> 1 $\mu$ F<br>I <sub>ripple</sub> : 8.4 mA<br>D x L: 4 x 5.5 mm   |
| <b>865 090 640 006</b> <b>50 V</b><br>ASBB0552R2M050DVCTAA000<br><b>C:</b> 2.2 $\mu$ F<br>I <sub>ripple</sub> : 13 mA<br>D x L: 4 x 5.5 mm   | <b>865 090 640 007</b> <b>50 V</b><br>ASBB0553R3M050DVCTAA000<br><b>C:</b> 3.3 $\mu$ F<br>I <sub>ripple</sub> : 17 mA<br>D x L: 4 x 5.5 mm  | <b>865 090 643 008</b> <b>50 V</b><br>ASBD0554R7M050DVCTBA000<br><b>C:</b> 4.7 $\mu$ F<br>I <sub>ripple</sub> : 20 mA<br>D x L: 6.3 x 5.5 mm  | <b>865 090 643 009</b> <b>50 V</b><br>ASBD055100M050DVCTBA000<br><b>C:</b> 10 $\mu$ F<br>I <sub>ripple</sub> : 33 mA<br>D x L: 6.3 x 5.5 mm    | <b>865 090 645 010</b> <b>50 V</b><br>ASBD077220M050DVCTCA000<br><b>C:</b> 22 $\mu$ F<br>I <sub>ripple</sub> : 48 mA<br>D x L: 6.3 x 7.7 mm  | <b>865 090 649 013</b> <b>50 V</b><br>ASBE065330M050DVCTBA000<br><b>C:</b> 33 $\mu$ F<br>I <sub>ripple</sub> : 71 mA<br>D x L: 8 x 6.5 mm  | <b>865 090 645 012</b> <b>50 V</b><br>ASBD077330M050DVCTCA000<br><b>C:</b> 33 $\mu$ F<br>I <sub>ripple</sub> : 66 mA<br>D x L: 6.3 x 7.7 mm |

### TECHNICAL DATA:

Capacitance Tolerance:  $\pm 20\%$   
 Temperature Range:  $-40\text{ }^{\circ}\text{C} / +85\text{ }^{\circ}\text{C}$   
 I<sub>ripple</sub>: Max. Values @ 100 kHz / +85 °C  
 Endurance: 1000 h @ +85 °C,  
 max. I<sub>ripple</sub> applied



### DC Voltage Rating

|       |
|-------|
| 6.3 V |
| 10 V  |
| 16 V  |
| 25 V  |
| 35 V  |
| 50 V  |

EMC COMPONENTS | INDUCTORS | TRANSFORMERS | RF COMPONENTS | CIRCUIT PROTECTION | EMC SHIELDING MATERIAL | LEDs | CONNECTORS | SWITCHES | ASSEMBLY TECHNIQUE | REDCUBE TERMINALS | CAPACITORS

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