



## DESIGN KIT

# WCAP-AS5H Aluminum Electrolytic Capacitors

SMT V-Chip – 5000 h @ 105 °C



### TECHNICAL DATA:

C:	0.1 – 1000 $\mu$ F
$U_R$ :	6.3 – 50 V <sub>DC</sub>
$I_{ripple}$ :	1 – 375 mA
D x L:	4 x 5.5 – 10 x 10.5 mm

**Order Code 865 230**

**Version 1.0**

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## WCAP-AS5H Aluminum Electrolytic Capacitors

SMT V-Chip – 5000 h @ 105 °C



<b>865 230 140 001</b> <b>6.3 V</b> ASDB055220M6R3DVCTAE000 <b>C:</b> 22 µF I <sub>ripple</sub> : 22 mA D x L: 4 x 5.5 mm	<b>865 230 142 003</b> <b>6.3 V</b> ASCD055470M6R3DVCTBE000 <b>C:</b> 47 µF I <sub>ripple</sub> : 36 mA D x L: 5 x 5.5 mm	<b>865 230 145 005</b> <b>6.3 V</b> ASDD077221M6R3DVCTCE000 <b>C:</b> 220 µF I <sub>ripple</sub> : 110 mA D x L: 6.3 x 7.7 mm	<b>865 230 153 006</b> <b>6.3 V</b> ASDE105331M6R3DVCTEE000 <b>C:</b> 330 µF I <sub>ripple</sub> : 160 mA D x L: 8 x 10.5 mm	<b>865 230 157 008</b> <b>6.3 V</b> ASDF105102M6R3DVCTEE000 <b>C:</b> 1000 µF I <sub>ripple</sub> : 340 mA D x L: 10 x 10.5 mm	<b>865 230 242 002</b> <b>10 V</b> ASCD055330M010DVCTBE000 <b>C:</b> 33 µF I <sub>ripple</sub> : 34 mA D x L: 5 x 5.5 mm	<b>865 230 253 005</b> <b>10 V</b> ASDE105221M010DVCTEE000 <b>C:</b> 220 µF I <sub>ripple</sub> : 140 mA D x L: 8 x 10.5 mm
<b>865 230 342 002</b> <b>16 V</b> ASCD055220M016DVCTBE000 <b>C:</b> 22 µF I <sub>ripple</sub> : 30 mA D x L: 5 x 5.5 mm	<b>865 230 345 005</b> <b>16 V</b> ASDD077101M016DVCTCE000 <b>C:</b> 100 µF I <sub>ripple</sub> : 81 mA D x L: 6.3 x 7.7 mm	<b>865 230 357 007</b> <b>16 V</b> ASDF105331M016DVCTEE000 <b>C:</b> 330 µF I <sub>ripple</sub> : 300 mA D x L: 10 x 10.5 mm	<b>865 230 357 008</b> <b>16 V</b> ASDF105471M016DVCTEE000 <b>C:</b> 470 µF I <sub>ripple</sub> : 320 mA D x L: 10 x 10.5 mm	<b>865 230 440 002</b> <b>25 V</b> ASDB055100M025DVCTAE000 <b>C:</b> 10 µF I <sub>ripple</sub> : 23 mA D x L: 4 x 5.5 mm	<b>865 230 443 004</b> <b>25 V</b> ASDD055330M025DVCTBE000 <b>C:</b> 33 µF I <sub>ripple</sub> : 48 mA D x L: 6.3 x 5.5 mm	<b>865 230 445 005</b> <b>25 V</b> ASDD077470M025DVCTCE000 <b>C:</b> 47 µF I <sub>ripple</sub> : 63 mA D x L: 6.3 x 7.7 mm
<b>865 230 453 006</b> <b>25 V</b> ASDE105101M025DVCTEE000 <b>C:</b> 100 µF I <sub>ripple</sub> : 116 mA D x L: 8 x 10.5 mm	<b>865 230 457 008</b> <b>25 V</b> ASDF105331M025DVCTEE000 <b>C:</b> 330 µF I <sub>ripple</sub> : 375 mA D x L: 10 x 10.5 mm	<b>865 230 540 001</b> <b>35 V</b> ASDB055470M035DVCTAE000 <b>C:</b> 4.7 µF I <sub>ripple</sub> : 15 mA D x L: 4 x 5.5 mm	<b>865 230 542 002</b> <b>35 V</b> ASCD055100M035DVCTBE000 <b>C:</b> 10 µF I <sub>ripple</sub> : 25 mA D x L: 5 x 5.5 mm	<b>865 230 545 004</b> <b>35 V</b> ASDD077330M035DVCTCE000 <b>C:</b> 33 µF I <sub>ripple</sub> : 57 mA D x L: 6.3 x 7.7 mm	<b>865 230 553 005</b> <b>35 V</b> ASDE105470M035DVCTEE000 <b>C:</b> 47 µF I <sub>ripple</sub> : 92 mA D x L: 8 x 10.5 mm	<b>865 230 557 006</b> <b>35 V</b> ASDF105101M035DVCTEE000 <b>C:</b> 100 µF I <sub>ripple</sub> : 150 mA D x L: 10 x 10.5 mm
<b>865 230 557 007</b> <b>35 V</b> ASDF105221M035DVCTEE000 <b>C:</b> 220 µF I <sub>ripple</sub> : 280 mA D x L: 10 x 10.5 mm	<b>865 230 640 001</b> <b>50 V</b> ASDB055R10M050DVCTAE000 <b>C:</b> 0.1 µF I <sub>ripple</sub> : 1 mA D x L: 4 x 5.5 mm	<b>865 230 640 002</b> <b>50 V</b> ASDB055R22M050DVCTAE000 <b>C:</b> 0.22 µF I <sub>ripple</sub> : 2.6 mA D x L: 4 x 5.5 mm	<b>865 230 640 003</b> <b>50 V</b> ASDB055R33M050DVCTAE000 <b>C:</b> 0.33 µF I <sub>ripple</sub> : 3.2 mA D x L: 4 x 5.5 mm	<b>865 230 640 004</b> <b>50 V</b> ASDB055R47M050DVCTAE000 <b>C:</b> 0.47 µF I <sub>ripple</sub> : 3.8 mA D x L: 4 x 5.5 mm	<b>865 230 640 005</b> <b>50 V</b> ASDB055010M050DVCTAE000 <b>C:</b> 1 µF I <sub>ripple</sub> : 6.2 mA D x L: 4 x 5.5 mm	<b>865 230 640 006</b> <b>50 V</b> ASDB055R2M050DVCTAE000 <b>C:</b> 2.2 µF I <sub>ripple</sub> : 11 mA D x L: 4 x 5.5 mm
<b>865 230 640 007</b> <b>50 V</b> ASDB0553R3M050DVCTAE000 <b>C:</b> 3.3 µF I <sub>ripple</sub> : 14 mA D x L: 4 x 5.5 mm	<b>865 230 642 008</b> <b>50 V</b> ASCD05547R7M050DVCTBE000 <b>C:</b> 4.7 µF I <sub>ripple</sub> : 19 mA D x L: 5 x 5.5 mm	<b>865 230 643 009</b> <b>50 V</b> ASDD055100M050DVCTBE000 <b>C:</b> 10 µF I <sub>ripple</sub> : 30 mA D x L: 6.3 x 5.5 mm	<b>865 230 645 010</b> <b>50 V</b> ASDD077220M050DVCTCE000 <b>C:</b> 22 µF I <sub>ripple</sub> : 52 mA D x L: 6.3 x 7.7 mm	<b>865 230 653 011</b> <b>50 V</b> ASDE105330M050DVCTEE000 <b>C:</b> 33 µF I <sub>ripple</sub> : 80 mA D x L: 8 x 10.5 mm	<b>865 230 653 012</b> <b>50 V</b> ASDE105470M050DVCTEE000 <b>C:</b> 47 µF I <sub>ripple</sub> : 95 mA D x L: 8 x 10.5 mm	<b>865 230 657 013</b> <b>50 V</b> ASDF105101M050DVCTEE000 <b>C:</b> 100 µF I <sub>ripple</sub> : 160 mA D x L: 10 x 10.5 mm

### TECHNICAL DATA:

Capacitance Tolerance: ±20 %  
 Temperature Range: - 40 °C / + 105 °C  
 I<sub>ripple</sub>: Max. Values @ 120 Hz / + 105 °C  
 Endurance: 5000 h @ + 105 °C,  
 max. I<sub>ripple</sub> applied



### DC Voltage Rating

6.3 V
10 V
16 V
25 V
35 V
50 V

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