



# DESIGN KIT

## WCAP-ASNP Aluminum Electrolytic Capacitors

SMT V-Chip – 2000 h @ 85 °C



### TECHNICAL DATA:

C:	0.1 – 560 $\mu$ F
$U_R$ :	6.3 – 50 V <sub>DC</sub>
$I_{ripple}$ :	1 – 220 mA
D x L:	4 x 5.5 – 10 x 10.5 mm

**Order Code 865 250**

**Version 1.0**

# DESIGN KIT

## WCAP-ASNP Aluminum Electrolytic Capacitors

SMT V-Chip – 2000 h @ 85 °C



<b>865 250 640 001</b> <b>50 V</b> ASBB055R10M050DVCTAB000 <b>C:</b> <b>0.1 µF</b> I <sub>ripple</sub> : 1 mA D x L: 4 x 5.5 mm	<b>865 250 640 002</b> <b>50 V</b> ASBB055R22M050DVCTAB000 <b>C:</b> <b>0.22 µF</b> I <sub>ripple</sub> : 2 mA D x L: 4 x 5.5 mm	<b>865 250 640 003</b> <b>50 V</b> ASBB055R33M050DVCTAB000 <b>C:</b> <b>0.33 µF</b> I <sub>ripple</sub> : 2.8 mA D x L: 4 x 5.5 mm	<b>865 250 640 004</b> <b>50 V</b> ASBB055R47M050DVCTAB000 <b>C:</b> <b>0.47 µF</b> I <sub>ripple</sub> : 4 mA D x L: 4 x 5.5 mm	<b>865 250 640 005</b> <b>50 V</b> ASBB055010M050DVCTAB000 <b>C:</b> <b>1 µF</b> I <sub>ripple</sub> : 8.4 mA D x L: 4 x 5.5 mm	<b>865 250 640 006</b> <b>50 V</b> ASBB0552R2M050DVCTAB000 <b>C:</b> <b>2.2 µF</b> I <sub>ripple</sub> : 13 mA D x L: 4 x 5.5 mm	<b>865 250 640 007</b> <b>50 V</b> ASBB0553R3M050DVCTAB000 <b>C:</b> <b>3.3 µF</b> I <sub>ripple</sub> : 17 mA D x L: 4 x 5.5 mm
<b>865 250 440 001</b> <b>25 V</b> ASBB0553R3M025DVCTAB000 <b>C:</b> <b>3.3 µF</b> I <sub>ripple</sub> : 12 mA D x L: 4 x 5.5 mm	<b>865 250 642 008</b> <b>50 V</b> ASBC0554R7M050DVCTBB000 <b>C:</b> <b>4.7 µF</b> I <sub>ripple</sub> : 20 mA D x L: 5 x 5.5 mm	<b>865 250 540 003</b> <b>35 V</b> ASBB0554R7M035DVCTAB000 <b>C:</b> <b>4.7 µF</b> I <sub>ripple</sub> : 18 mA D x L: 4 x 5.5 mm	<b>865 250 643 009</b> <b>50 V</b> ASBD055100M050DVCTBB000 <b>C:</b> <b>10 µF</b> I <sub>ripple</sub> : 32 mA D x L: 6.3 x 5.5 mm	<b>865 250 442 003</b> <b>25 V</b> ASBC055100M025DVCTBB000 <b>C:</b> <b>10 µF</b> I <sub>ripple</sub> : 27 mA D x L: 5 x 5.5 mm	<b>865 250 340 003</b> <b>16 V</b> ASBB055100M016DVCTAB000 <b>C:</b> <b>10 µF</b> I <sub>ripple</sub> : 23 mA D x L: 4 x 5.5 mm	<b>865 250 653 010</b> <b>50 V</b> ASBE105220M050DVCTEB000 <b>C:</b> <b>22 µF</b> I <sub>ripple</sub> : 60 mA D x L: 8 x 10.5 mm
<b>865 250 543 005</b> <b>35 V</b> ASBD055220M035DVCTBB000 <b>C:</b> <b>22 µF</b> I <sub>ripple</sub> : 45 mA D x L: 6.3 x 5.5 mm	<b>865 250 342 004</b> <b>16 V</b> ASBC055220M016DVCTBB000 <b>C:</b> <b>22 µF</b> I <sub>ripple</sub> : 37 mA D x L: 5 x 5.5 mm	<b>865 250 140 002</b> <b>6.3 V</b> ASBB055220M6R3DVCTAB000 <b>C:</b> <b>22 µF</b> I <sub>ripple</sub> : 28 mA D x L: 4 x 5.5 mm	<b>865 250 553 006</b> <b>35 V</b> ASBE105330M035DVCTEB000 <b>C:</b> <b>33 µF</b> I <sub>ripple</sub> : 58 mA D x L: 8 x 10.5 mm	<b>865 250 445 005</b> <b>25 V</b> ASBD077330M025DVCTCB000 <b>C:</b> <b>33 µF</b> I <sub>ripple</sub> : 51 mA D x L: 6.3 x 7.7 mm	<b>865 250 657 011</b> <b>50 V</b> ASBF105330M050DVCTEB000 <b>C:</b> <b>33 µF</b> I <sub>ripple</sub> : 75 mA D x L: 10 x 10.5 mm	<b>865 250 142 003</b> <b>6.3 V</b> ASBC055330M6R3DVCTBB000 <b>C:</b> <b>33 µF</b> I <sub>ripple</sub> : 37 mA D x L: 5 x 5.5 mm
<b>865 250 553 007</b> <b>35 V</b> ASBE105470M035DVCTEB000 <b>C:</b> <b>47 µF</b> I <sub>ripple</sub> : 64 mA D x L: 8 x 10.5 mm	<b>865 250 445 007</b> <b>25 V</b> ASBD077470M025DVCTCB000 <b>C:</b> <b>47 µF</b> I <sub>ripple</sub> : 56 mA D x L: 6.3 x 7.7 mm	<b>865 250 449 008</b> <b>25 V</b> ASBE065470M025DVCTBB000 <b>C:</b> <b>47 µF</b> I <sub>ripple</sub> : 60 mA D x L: 8 x 6.5 mm	<b>865 250 657 012</b> <b>50 V</b> ASBF105470M050DVCTEB000 <b>C:</b> <b>47 µF</b> I <sub>ripple</sub> : 100 mA D x L: 10 x 10.5 mm	<b>865 250 345 006</b> <b>16 V</b> ASBD077470M016DVCTCB000 <b>C:</b> <b>47 µF</b> I <sub>ripple</sub> : 51 mA D x L: 6.3 x 7.7 mm	<b>865 250 453 009</b> <b>25 V</b> ASBE105101M025DVCTEB000 <b>C:</b> <b>100 µF</b> I <sub>ripple</sub> : 130 mA D x L: 8 x 10.5 mm	<b>865 250 149 006</b> <b>6.3 V</b> ASBE065101M6R3DVCTBB000 <b>C:</b> <b>100 µF</b> I <sub>ripple</sub> : 70 mA D x L: 8 x 6.5 mm
<b>865 250 245 005</b> <b>10 V</b> ASBD077101M010DVCTCB000 <b>C:</b> <b>100 µF</b> I <sub>ripple</sub> : 75 mA D x L: 6.3 x 7.7 mm	<b>865 250 253 007</b> <b>10 V</b> ASBE105221M010DVCTEB000 <b>C:</b> <b>220 µF</b> I <sub>ripple</sub> : 150 mA D x L: 8 x 10.5 mm	<b>865 250 357 009</b> <b>16 V</b> ASBF105221M016DVCTEB000 <b>C:</b> <b>220 µF</b> I <sub>ripple</sub> : 170 mA D x L: 10 x 10.5 mm	<b>865 250 153 008</b> <b>6.3 V</b> ASBE105331M6R3DVCTEB000 <b>C:</b> <b>330 µF</b> I <sub>ripple</sub> : 160 mA D x L: 8 x 10.5 mm	<b>865 250 257 008</b> <b>10 V</b> ASBF105331M010DVCTEB000 <b>C:</b> <b>330 µF</b> I <sub>ripple</sub> : 180 mA D x L: 10 x 10.5 mm	<b>865 250 157 009</b> <b>6.3 V</b> ASBF105471M6R3DVCTEB000 <b>C:</b> <b>470 µF</b> I <sub>ripple</sub> : 190 mA D x L: 10 x 10.5 mm	<b>865 250 157 010</b> <b>6.3 V</b> ASBF105561M6R3DVCTEB000 <b>C:</b> <b>560 µF</b> I <sub>ripple</sub> : 220 mA D x L: 10 x 10.5 mm

### TECHNICAL DATA:

Capacitance Tolerance: ±20 %  
 Temperature Range: -40 °C / +85 °C  
 I<sub>ripple</sub>: Max. Values @ 100 kHz / +85 °C  
 Endurance: 2000 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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