



# DESIGN KIT

## WCAP-PTG5 Aluminum Polymer Capacitors

Radial THT - 2000h @ 105°C



### TECHNICAL DATA:

C:	39 – 2000 µF
$U_R$ :	6.3 – 25 V <sub>DC</sub>
$I_{ripple}$ :	4500 - 5900 mA
D x L:	8 x 8 – 10 x 12.5 mm
Pitch:	3.5 – 5 mm

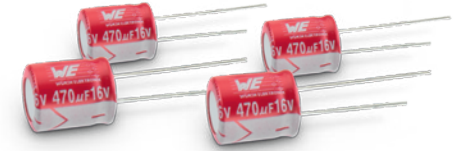
Order Code 870 025

Version 1.0

# DESIGN KIT

## WCAP-PTG5 Aluminum Polymer Capacitors

Radial THT - 2000h @ 105°C



<b>870 025 174 001</b> <b>6.3 V</b> PTEE080181M6R3DSPA7B000 <b>C:</b> <b>180 µF</b> I <sub>ripple</sub> : 5100 mA D x L / Pitch: 8 x 8 / 3.5 mm	<b>870 025 174 002</b> <b>6.3 V</b> PTEE080221M6R3DSPA7B000 <b>C:</b> <b>220 µF</b> I <sub>ripple</sub> : 5100 mA D x L / Pitch: 8 x 8 / 3.5 mm	<b>870 025 174 003</b> <b>6.3 V</b> PTEE080271M6R3DSPA7B000 <b>C:</b> <b>270 µF</b> I <sub>ripple</sub> : 5100 mA D x L / Pitch: 8 x 8 / 3.5 mm	<b>870 025 174 004</b> <b>6.3 V</b> PTEE080331M6R3DSPA7B000 <b>C:</b> <b>330 µF</b> I <sub>ripple</sub> : 5100 mA D x L / Pitch: 8 x 8 / 3.5 mm	<b>870 025 174 005</b> <b>6.3 V</b> PTEE080391M6R3DSPA7B000 <b>C:</b> <b>390 µF</b> I <sub>ripple</sub> : 5100 mA D x L / Pitch: 8 x 8 / 3.5 mm	<b>870 025 174 006</b> <b>6.3 V</b> PTEE080471M6R3DSPA7B000 <b>C:</b> <b>470 µF</b> I <sub>ripple</sub> : 5100 mA D x L / Pitch: 8 x 8 / 3.5 mm	<b>870 025 174 007</b> <b>6.3 V</b> PTEE080561M6R3DSPA7B000 <b>C:</b> <b>560 µF</b> I <sub>ripple</sub> : 5100 mA D x L / Pitch: 8 x 8 / 3.5 mm	
<b>870 025 174 008</b> <b>6.3 V</b> PTEE080681M6R3DSPA7B000 <b>C:</b> <b>680 µF</b> I <sub>ripple</sub> : 5100 mA D x L / Pitch: 8 x 8 / 3.5 mm	<b>870 025 174 009</b> <b>6.3 V</b> PTEE080821M6R3DSPA7B000 <b>C:</b> <b>820 µF</b> I <sub>ripple</sub> : 5100 mA D x L / Pitch: 8 x 8 / 3.5 mm	<b>870 025 175 010</b> <b>6.3 V</b> PTEF125102M6R3DSPA9B000 <b>C:</b> <b>1000 µF</b> I <sub>ripple</sub> : 5900 mA D x L / Pitch: 10 x 12.5 / 5 mm	<b>870 025 174 011</b> <b>6.3 V</b> PTEE115122M6R3DSPA7B000 <b>C:</b> <b>1200 µF</b> I <sub>ripple</sub> : 5500 mA D x L / Pitch: 8 x 11.5 / 3.5 mm	<b>870 025 175 012</b> <b>6.3 V</b> PTEF125152M6R3DSPA9B000 <b>C:</b> <b>1500 µF</b> I <sub>ripple</sub> : 5900 mA D x L / Pitch: 10 x 12.5 / 5 mm	<b>870 025 175 013</b> <b>6.3 V</b> PTEF125202M6R3DSPA9B000 <b>C:</b> <b>2000 µF</b> I <sub>ripple</sub> : 5900 mA D x L / Pitch: 10 x 12.5 / 5 mm	<b>870 025 374 001</b> <b>16 V</b> PTEE115101M016DSPA7B000 <b>C:</b> <b>100 µF</b> I <sub>ripple</sub> : 4800 mA D x L / Pitch: 8 x 11.5 / 3.5 mm	
<b>870 025 374 002</b> <b>16 V</b> PTEE080181M016DSPA7B000 <b>C:</b> <b>180 µF</b> I <sub>ripple</sub> : 4500 mA D x L / Pitch: 8 x 8 / 3.5 mm	<b>870 025 374 003</b> <b>16 V</b> PTEE080221M016DSPA7B000 <b>C:</b> <b>220 µF</b> I <sub>ripple</sub> : 4500 mA D x L / Pitch: 8 x 8 / 3.5 mm	<b>870 025 374 004</b> <b>16 V</b> PTEE080271M016DSPA7B000 <b>C:</b> <b>270 µF</b> I <sub>ripple</sub> : 4500 mA D x L / Pitch: 8 x 8 / 3.5 mm	<b>870 025 374 005</b> <b>16 V</b> PTEE080331M016DSPA7B000 <b>C:</b> <b>330 µF</b> I <sub>ripple</sub> : 4500 mA D x L / Pitch: 8 x 8 / 3.5 mm	<b>870 025 374 006</b> <b>16 V</b> PTEE115391M016DSPA7B000 <b>C:</b> <b>390 µF</b> I <sub>ripple</sub> : 5000 mA D x L / Pitch: 8 x 11.5 / 3.5 mm	<b>870 025 374 007</b> <b>16 V</b> PTEE115471M016DSPA7B000 <b>C:</b> <b>470 µF</b> I <sub>ripple</sub> : 5000 mA D x L / Pitch: 8 x 11.5 / 3.5 mm	<b>870 025 375 008</b> <b>16 V</b> PTEF125561M016DSPA9B000 <b>C:</b> <b>560 µF</b> I <sub>ripple</sub> : 5500 mA D x L / Pitch: 10 x 12.5 / 5 mm	
<b>870 025 375 009</b> <b>16 V</b> PTEF125681M016DSPA9B000 <b>C:</b> <b>680 µF</b> I <sub>ripple</sub> : 5500 mA D x L / Pitch: 10 x 12.5 / 5 mm	<b>870 025 375 010</b> <b>16 V</b> PTEF125821M016DSPA9B000 <b>C:</b> <b>820 µF</b> I <sub>ripple</sub> : 5500 mA D x L / Pitch: 10 x 12.5 / 5 mm	<b>870 025 574 001</b> <b>25 V</b> PTEE080390M025DSPA7B000 <b>C:</b> <b>39 µF</b> I <sub>ripple</sub> : 4500 mA D x L / Pitch: 8 x 8 / 3.5 mm	<b>870 025 574 002</b> <b>25 V</b> PTEE080470M025DSPA7B000 <b>C:</b> <b>47 µF</b> I <sub>ripple</sub> : 4500 mA D x L / Pitch: 8 x 8 / 3.5 mm	<b>870 025 574 003</b> <b>25 V</b> PTEE080680M025DSPA7B000 <b>C:</b> <b>68 µF</b> I <sub>ripple</sub> : 4500 mA D x L / Pitch: 8 x 8 / 3.5 mm	<b>870 025 574 004</b> <b>25 V</b> PTEE080820M025DSPA7B000 <b>C:</b> <b>82 µF</b> I <sub>ripple</sub> : 4500 mA D x L / Pitch: 8 x 8 / 3.5 mm	<b>870 025 574 005</b> <b>25 V</b> PTEE080101M025DSPA7B000 <b>C:</b> <b>100 µF</b> I <sub>ripple</sub> : 4500 mA D x L / Pitch: 8 x 8 / 3.5 mm	
<b>870 025 575 006</b> <b>25 V</b> PTEF125181M025DSPA9B000 <b>C:</b> <b>180 µF</b> I <sub>ripple</sub> : 4900 mA D x L / Pitch: 10 x 12.5 / 5 mm	<b>870 025 575 007</b> <b>25 V</b> PTEF125221M025DSPA9B000 <b>C:</b> <b>220 µF</b> I <sub>ripple</sub> : 4900 mA D x L / Pitch: 10 x 12.5 / 5 mm	<b>870 025 575 008</b> <b>25 V</b> PTEF125271M025DSPA9B000 <b>C:</b> <b>270 µF</b> I <sub>ripple</sub> : 4900 mA D x L / Pitch: 10 x 12.5 / 5 mm	<b>870 025 575 009</b> <b>25 V</b> PTEF125331M025DSPA9B000 <b>C:</b> <b>330 µF</b> I <sub>ripple</sub> : 4900 mA D x L / Pitch: 10 x 12.5 / 5 mm				

### TECHNICAL DATA:

Capacitance Tolerance: ±20 %  
 Temperature Range: -55 °C / +105 °C  
 I<sub>ripple</sub>: Max. Values @ 100 kHz / 105 °C  
 Endurance: 2000 h @ 105 °C,  
 max. I<sub>ripple</sub> applied



### DC Voltage Rating

<b>6.3 V</b>
<b>16 V</b>
<b>25 V</b>

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