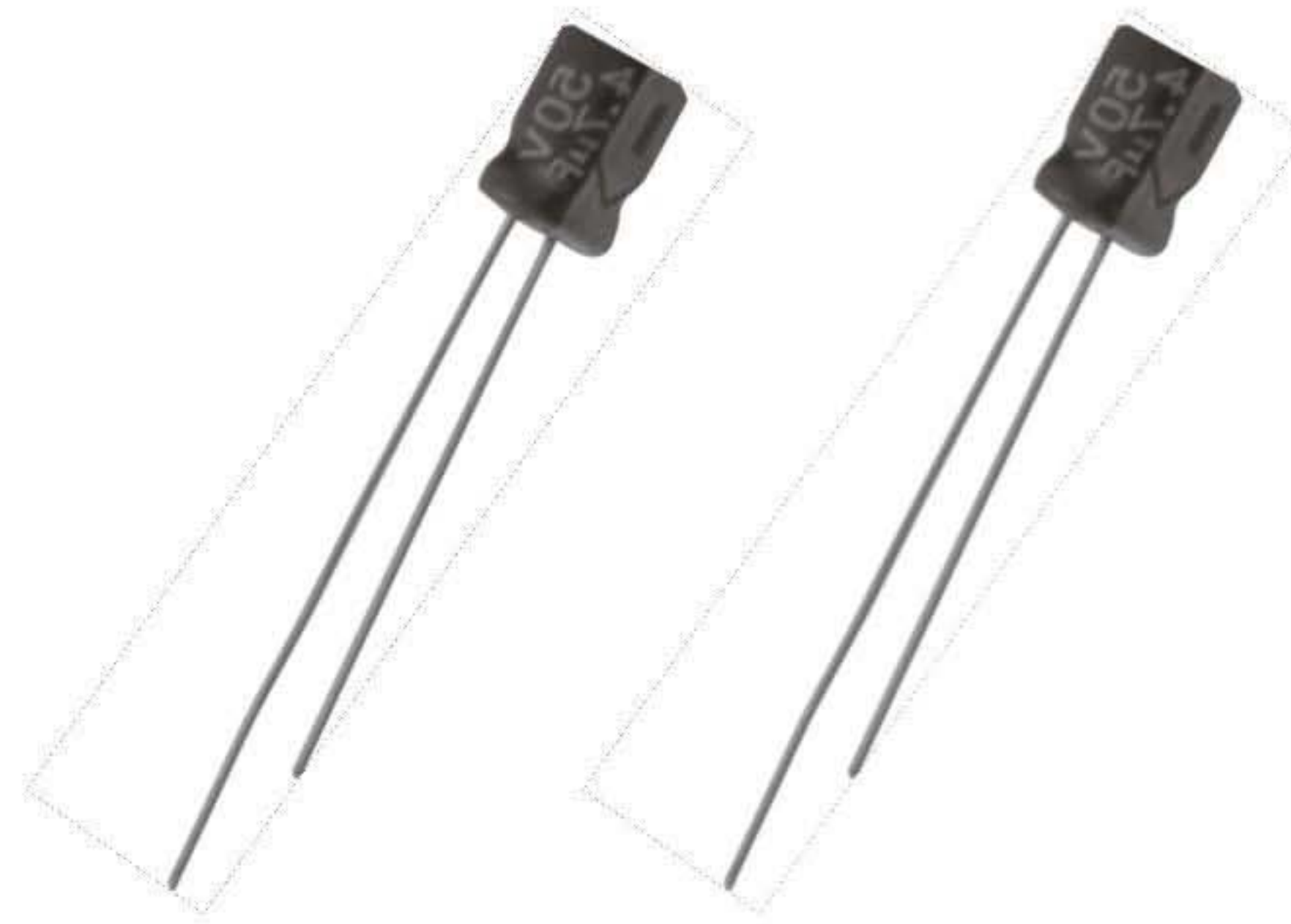


MGR series Miniaturized 7mm height 小型品

- 本體之高度縮短至7mm,適用於輕薄小型化之電子產品。
- 適用於高密度電子設備,例如:OA機器、電子計算機、汽車音響、迷你音響、攝影機,光碟機,手提電腦...等等。
- Developed short body length to 7mm, for the demand of smaller and thinner electronic equipment.
- Most suitable for high-density electronic equipment, such as :automatic office machines, pocket calculators, car stereos and mini-audio sets, VCR, camera, CD-ROM, notebook, etc.

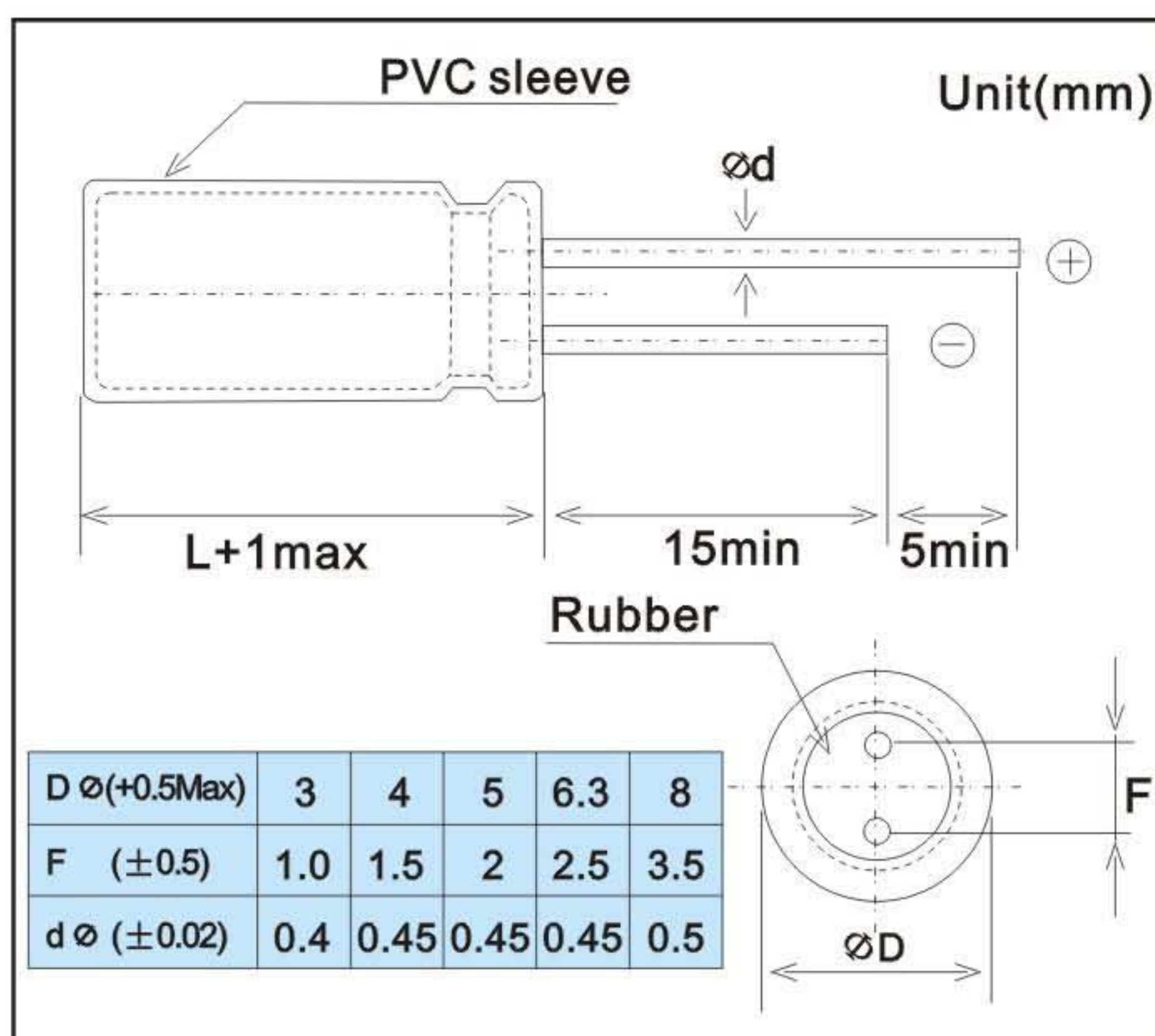


Specifications

NO	Item	Performance characteristics																								
1	使用溫度範圍 Operating Temperature Range	-40 to +105°C																								
2	定格電壓範圍 Rated Working Voltage Range	6.3-63v.DC																								
3	靜電容量範圍 Nominal Capacitance Range	0.1 to 1000uF																								
4	靜電容量容許差 Capacitance Tolerance	±20%(at +20°C, 120HZ)																								
5	漏電電流 Leakage current	$I \leq 0.01CV$ or $3(\mu A)$ after two minutes																								
6	損失角 Dissipation Factor($\tan \sigma$) (120Hz)+20°C)	<table border="1"> <thead> <tr> <th>Working Voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>$\tan \sigma$ max.</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.08</td> </tr> </tbody> </table>	Working Voltage (V)	6.3	10	16	25	35	50	63	$\tan \sigma$ max.	0.24	0.20	0.16	0.14	0.12	0.10	0.08								
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7	溫度特性 (at 120Hz) Characteristics at/low Temperature (stability at 120Hz)	<table border="1"> <thead> <tr> <th>Working Voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>Z -25°C /+20°C</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C /+20°C</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	Working Voltage (V)	6.3	10	16	25	35	50	63	Z -25°C /+20°C	4	3	2	2	2	2	2	Z-40°C /+20°C	8	6	4	4	3	3	3
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8	高溫負荷特性 High Temperature Loading	After 1000 hrs application of DC rated working voltage at + 105°C The capacitor shall meet the following limits: Post test requirements at + 20°C <table border="1"> <tbody> <tr> <td>Leakage current</td> <td>\leq the initial specified value</td> </tr> <tr> <td>Capacitance change</td> <td>$\leq \pm 20\%$ of initial measured value</td> </tr> <tr> <td>Dissipation Factor($\tan \sigma$)</td> <td>$\leq 200\%$ of initial specified value</td> </tr> </tbody> </table>	Leakage current	\leq the initial specified value	Capacitance change	$\leq \pm 20\%$ of initial measured value	Dissipation Factor($\tan \sigma$)	$\leq 200\%$ of initial specified value																		
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9	高溫無負荷特性 Shelf Life	After storage for 500 hrs, at +105°C with no voltage applied. Post test requirements at +20°C same limits for high temperature loading.																								
10	耐洗淨性 Solvent proof	This capacitor can withstand circuit-board cleaning within 5 min dip in Freon TE, TES, at 40°C (ultrasonic also permitted) or in the steam of these cleaners.																								

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Outline drawing :(Unit:mm)



Case size Table

WV(SV) µ F	ØDXL(mm)						
	6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)	63 (79)
0.1~3.3						4×7	1~12 4×7 1~15
4.7						4×7	20 5×7 25
10				4×7	20	4×7	22 5×7 30 6.3×7 36
22			4×7	20	4×7/5×7	26	5×7 30 6.3×7 40 8×7 45
33		4×7	25	4×7	30	5×7	40 6.3×7 45 8×7 56 8×9 75
47		4×7	35	5×7	40	6.3×7	50 6.3×7/8×7 55 8×7 70
100		5×7	45	6.3×7	50	6.3×7/8×7	65 8×7/8×9 80
220		6.3×7	55	6.3×7/8×7	65	8×9	85
330		8×7	75	8×7/8×9	90		
470	8×7	85	8×7	100	8×9	110	
1000	8×9	120					D×L Ripple