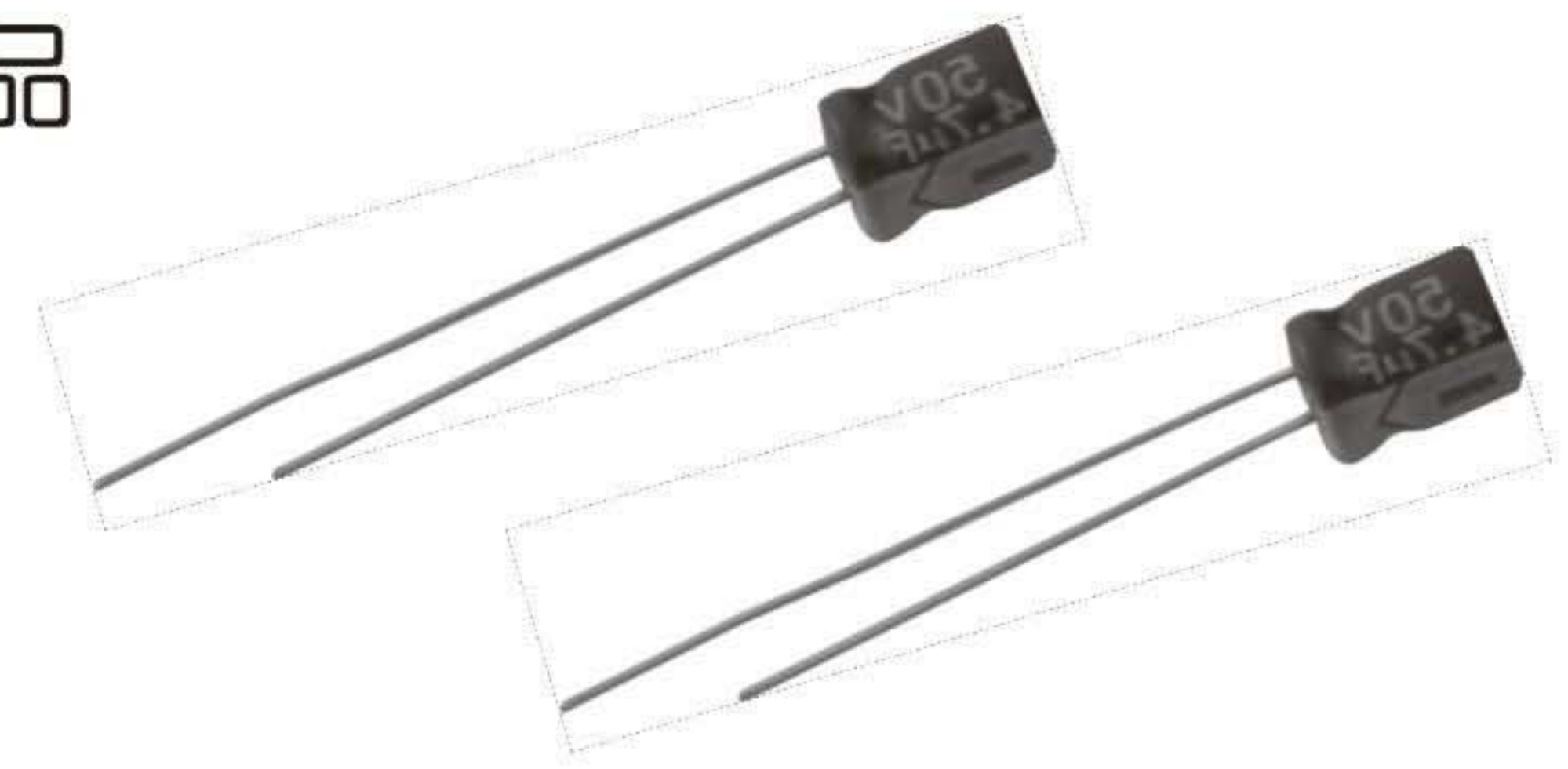


MZR Series 7 mm Low Impedance 高頻率低阻抗小型品

Features

- Operating temperature range -40 to +105°C
- 105°C, 1000 hours assured



Specifications

No	Item	Performance Characteristics																					
1	使用温度範圍 Operating Temperature Range	-40 to + 105℃																					
2	定格電壓範圍 Rated Voltage Range	6.3 to 50 VDC																					
3	靜電容量範圍 Capacitance Range	2.2 to 330uF																					
4	靜電容量容許差 Capacitance Tolerance	±20%(120Hz,+20℃)																					
5	漏電電流 Leakage Current(+20℃,max)	I ≤0.01 CV or 3(μA) After 2 minutes, whichever is greater measured with rate working voltage applied.																					
6	損失角 Dissipation Factor(tanδ)	<table><tr><td>Working Voltage (VDC)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>D.F. (%)Max</td><td>18</td><td>16</td><td>14</td><td>12</td><td>12</td><td>10</td></tr></table> (+20℃,at 120Hz)	Working Voltage (VDC)	6.3	10	16	25	35	50	D.F. (%)Max	18	16	14	12	12	10							
Working Voltage (VDC)	6.3	10	16	25	35	50																	
D.F. (%)Max	18	16	14	12	12	10																	
7	温度特性 Low Temperature Characteristics (120Hz)	Impedance ratio max. <table><tr><td>Working Voltage (VDC)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>Z-25℃/Z+20℃</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z-40℃/Z+20℃</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td></tr></table>	Working Voltage (VDC)	6.3	10	16	25	35	50	Z-25℃/Z+20℃	2	2	2	2	2	2	Z-40℃/Z+20℃	3	3	3	3	3	3
Working Voltage (VDC)	6.3	10	16	25	35	50																	
Z-25℃/Z+20℃	2	2	2	2	2	2																	
Z-40℃/Z+20℃	3	3	3	3	3	3																	
8	高温負荷特性 Load Life	Test conditions Duration time :1000Hrs Ambient temperature :+105℃ Applied voltage :Rated DC working voltage After test requirements at+20℃ Capacitance change :≤ ±20% of the initial measured value Dissipation factor :≤200% of the initial specified value Leakage current :≤The initial specified value																					
9	高温無負荷特性 Shelf Life	Test conditions Duration time :500Hrs Ambient temperature :+105℃ Applied voltage :None After test requirements at +20℃ : Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.																					

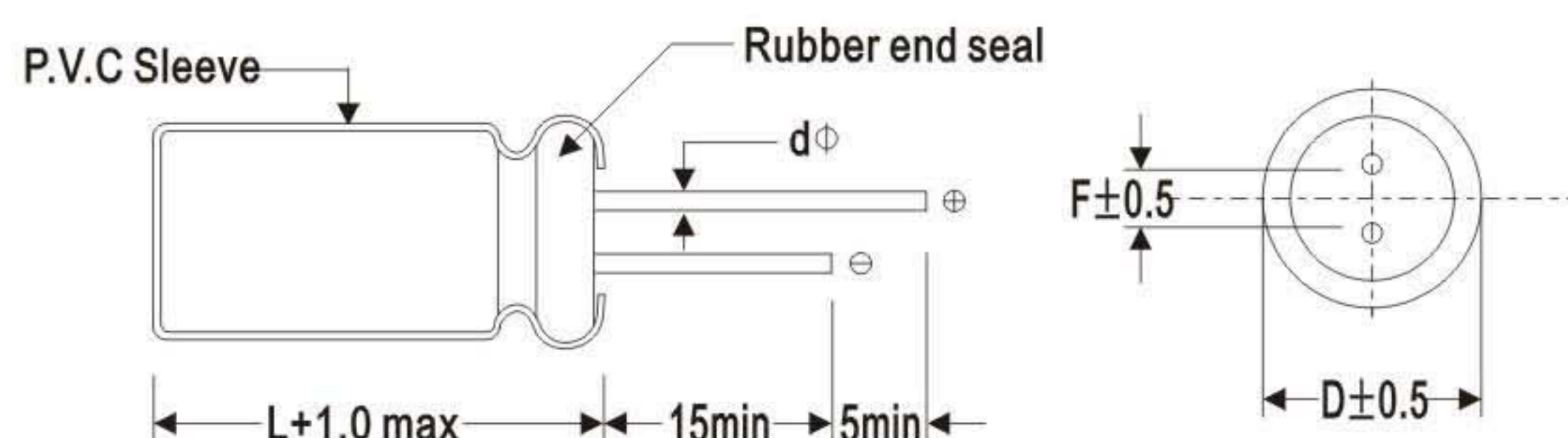
Multiplier for Ripple Current vs. Frequency

CAP(μ F)\Hz	50(60)	120	400	1K	10K	50K-100K
CAP≤10	0.8	1	1.30	1.45	1.65	1.70
10<CAP≤100	0.8	1	1.23	1.36	1.48	1.53
100<CAP≤1000	0.8	1	1.16	1.25	1.35	1.38

Multiplier for Ripple Current vs. Temperature

Temperature°C	60	70	85	105
Multiplier	1.8	1.5	1.30	1.0

Outline drawing :(Unit:mm)



Dφ	4	5	6.3	8
F	1.5	2.0	2.5	3.5
dφ	0.45	0.5		

Case Size

WV(SV)	6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)
μF						
2.2						4×7
4.7					4×7	5×7
10				4×7	5×7	6.3×7
22		4×7	5×7	5×7	6.3×7	8×7
33	5×7	5×7	6.3×7	6.3×7	8×7	8×9
47	5×7	6.3×7	6.3×7	8×7	8×9	-
100	6.3×7	8×7	8×7	-	-	-
220	8×7	8×9	-	-	-	-
330	8×9	-	-	-	-	-

Maximum Ripple Current

WV(SV)	6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)
μF						
2.2						70
4.7					70	100
10				70	110	160
22		70	100	110	160	200
33	110	110	160	160	200	220
47	110	160	160	200	230	-
100	160	200	200	-	-	-
220	200	220	-	-	-	-
330	250	-	-	-	-	-

Impedance

WV(SV)	6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)
μF						
2.2						4.0
4.7					3.3	2.2
10				3.3	1.7	1.0
22		3.3	1.7	1.7	0.8	0.5
33	1.7	1.7	0.8	0.8	0.5	0.5
47	1.7	0.8	0.8	0.8	0.5	-
100	0.8	0.5	0.5	-	-	-
220	0.5	0.5	-	-	-	-
330	0.5	-	-	-	-	-