

A-05-11-03

REB L88-02(RPF)

LARGE CAN TYPE ALUMINUM ELECTROLYTIC CAPACITORS

RPF SERIES [Low Profiles with 20mm L Dimensions]

These ultra-low profile capacitors have been produced by mobilizing the LPSS series manufacturing knowhow. They will be ideal for the equipment of which lighter weight and lower profile are demanded.



FEATURES

- Designed for an ultra-low profile (20mm L dimensions), this series is ideal for making equipment more compact and lower in profile.
- The terminal forms have been held constant irrespective of the outer diameter of cases, similar to the earlier LP, RP and LPSS types.

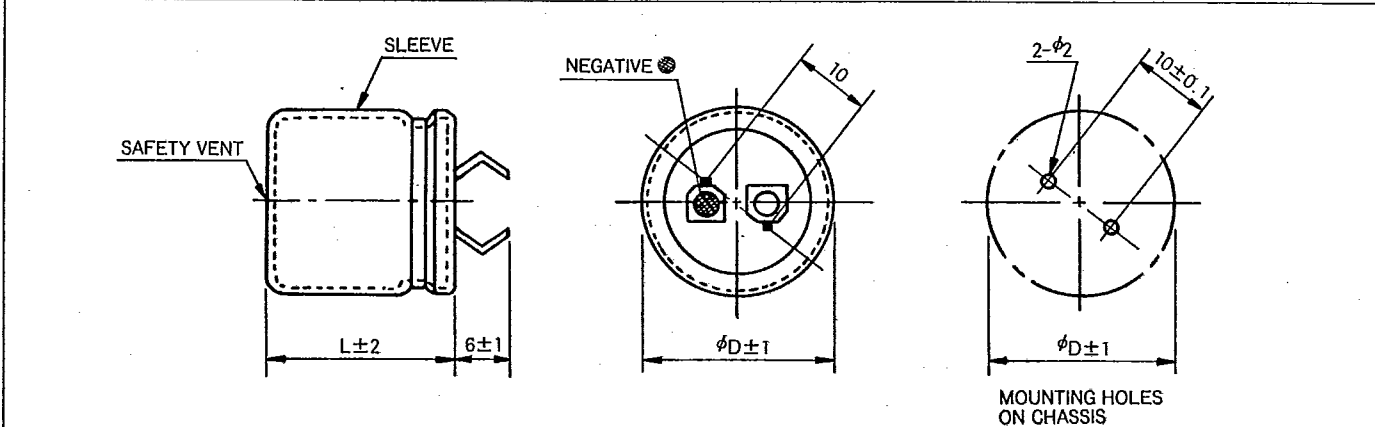
SPECIFICATION TABLE

1	OPERATING TEMPERATURE RANGE	-40°C ~ +85°C																								
2	RATED VOLTAGE RANGE	10 ~ 250V.DC																								
3	CAPACITANCE TOLERANCE(120Hz)	-20°C ~ +20% (20°C)																								
4	LEAKAGE CURRENT (µA max) (After applied rated voltage for 5minutes.)	I = 0.02CV or 5mA whichever is smaller I = Leakage current (µA), C = Nominal capacitance (µF), V = Rated voltage (V.DC)																								
5	DISSIPATION FACTOR (max) (tan δ)	<table border="1"> <thead> <tr> <th>rated voltage Capacitance(µF)</th> <th>10</th> <th>16~25</th> <th>35~50</th> <th>63~100</th> <th>160~250</th> </tr> </thead> <tbody> <tr> <td>82~1000</td> <td></td> <td></td> <td>0.20</td> <td>0.15</td> <td>0.10</td> </tr> <tr> <td>1500~4700</td> <td>0.40</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> <td></td> </tr> <tr> <td>6800~10000</td> <td>0.50</td> <td>0.40</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>(20°C, 120Hz)</p>	rated voltage Capacitance(µF)	10	16~25	35~50	63~100	160~250	82~1000			0.20	0.15	0.10	1500~4700	0.40	0.30	0.25	0.20		6800~10000	0.50	0.40			
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6	LOW TEMPERATURE STABILITY (Impedance ratio against +20°C at 120Hz)	<table border="1"> <thead> <tr> <th>WV</th> <th>10~50</th> <th>63~250</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(+20°C)</td> <td>≤3</td> <td>≤3</td> </tr> <tr> <td>Z(-40°C)/Z(+20°C)</td> <td>≤12</td> <td>≤8</td> </tr> </tbody> </table>	WV	10~50	63~250	Z(-25°C)/Z(+20°C)	≤3	≤3	Z(-40°C)/Z(+20°C)	≤12	≤8															
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8	OTHERS	Comply with JIS-C-5141 characteristic W																								

PART NUMBER



UNIT : mm





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REB L88-02(RPF)

LARGE CAN TYPE ALUMINUM ELECTROLYTIC CAPACITORS

STANDARD CASE SIZE

Cap(μF) \ WV	10	16	25	35	50	63	80	100
680							25×20 0.97	30×20 1.09
820						22×20 0.99	25×20 1.07	30×20 1.20
1000					22×20 1.04	25×20 1.18	30×20 1.33	
1500				22×20 1.04	25×20 1.12	30×20 1.41		
2200			22×20 1.15	25×20 1.36	30×20 1.52			
3300		22×20 1.40	25×20 1.52	30×20 1.87				
4700	22×20 1.45	25×20 1.81	30×20 2.03					
6800	25×20 1.68	30×20 2.12						
10000	30×20 2.30							

Cap(μF) \ WV	160	180	200	250
82				22×20 0.38
100		22×20 0.42	22×20 0.42	25×20 0.46
120	22×20 0.46	25×20 0.50	25×20 0.50	25×20 0.50
150	25×20 0.56	25×20 0.56	25×20 0.56	30×20 0.63
180	25×20 0.61	30×20 0.69	30×20 0.69	30×20 0.69
220	30×20 0.76	30×20 0.76	30×20 0.76	

Ripple Current Arms/120Hz,85°C
Case Size φD^{±1}×L^{±2}(mm)

RMS RIPPLE CURRENT COEFFICIENT

1)Temperature Coefficient

Ambient Temperature(°C)	85	65	40&under
Temperature Coefficient	1.0	1.24	1.60

2)Frequency Coefficient

Frequency(Hz)		60	120	500	1 k	10k
Frequency Coefficient	10~100WV	0.90	1.00	1.05	1.10	1.15
	160~250WV	0.80	1.00	1.20	1.30	1.50