

## EXB Series

• 105°C 2,000Hrs assured.

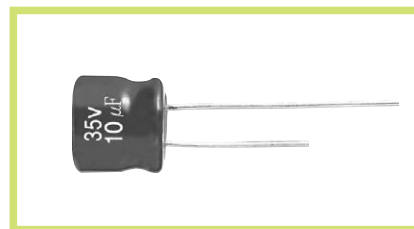
Solvent-proof

- Ultra Low Impedance, Long Life
- Height 5mm.
- For LCD/PDP TV PSU, DVD Driver
- RoHS compliant.
- Halogen-free capacitors are also available.

EXA

EXB

Low Imp. Long Life



### SPECIFICATIONS

Item	Characteristics																		
Rated Voltage Range	6.3 ~ 35 V <sub>DC</sub>																		
Operating Temperature Range	-55 ~ +105°C																		
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)																		
Leakage Current	I = 0.01CV or 3μA, whichever is greater. Where, I:Max. Leakage current(μA), C:Nominal capacitance(μF), V:Rated voltage(V <sub>DC</sub> ) (at 20°C, 2 minutes)																		
Dissipation Factor(Tanδ)	<table border="1"> <tr> <td>Rated voltage(V<sub>DC</sub>)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> </tr> <tr> <td>Tanδ(Max.)</td> <td>0.22</td> <td>0.20</td> <td>0.18</td> <td>0.14</td> <td>0.12</td> </tr> </table> (at 20°C, 120Hz)	Rated voltage(V <sub>DC</sub> )	6.3	10	16	25	35	Tanδ(Max.)	0.22	0.20	0.18	0.14	0.12						
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Tanδ(Max.)	0.22	0.20	0.18	0.14	0.12														
Temperature Characteristics (Max. Impedance ratio)	<table border="1"> <tr> <td>Rated voltage(V<sub>DC</sub>)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>9</td> <td>7</td> <td>5</td> <td>3</td> <td>3</td> </tr> </table> (at 120Hz)	Rated voltage(V <sub>DC</sub> )	6.3	10	16	25	35	Z(-25°C)/Z(20°C)	3	3	2	2	2	Z(-40°C)/Z(20°C)	9	7	5	3	3
Rated voltage(V <sub>DC</sub> )	6.3	10	16	25	35														
Z(-25°C)/Z(20°C)	3	3	2	2	2														
Z(-40°C)/Z(20°C)	9	7	5	3	3														
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 2,000 hours at 105°C. Capacitance change ≤ ±20% of the initial value Tanδ ≤ 200% of the initial specified value Leakage current ≤ The initial specified value																		
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurements. Capacitance change ≤ ±20% of the initial value Tanδ ≤ 200% of the initial specified value Leakage current ≤ The initial specified value																		
Others	Satisfied characteristics KS C IEC 60384-4																		

### RATINGS OF EXB Series

μF \ V <sub>DC</sub>	6.3	10	16	25	35
1					5×5 3.0 80
1.5					5×5 3.0 80
2.2					5×5 3.0 80
3.3					5×5 3.0 80
4.7					5×5 3.0 80
6.8					5×5 3.0 80
10				5×5 1.6 100	5×5 1.6 100
15			5×5 1.6 100	5×5 1.6 100	5×5 1.6 100
22			5×5 1.6 100	5×5 1.6 100	6.3×5 0.8 140
33	5×5 1.6 100	5×5 1.6 100	5×5 1.6 100	6.3×5 0.8 140	6.3×5 0.8 140
47	5×5 1.6 100	5×5 1.6 100	6.3×5 0.8 140	6.3×5 0.8 140	
68	6.3×5 0.8 140	6.3×5 0.8 140	6.3×5 0.8 140		
100	6.3×5 0.8 140	6.3×5 0.8 140			

↑ Rated Ripple Current(mArms/ 105°C, 100kHz)  
 ↑ Impedance ( Ω max./20°C, 100kHz)  
 ↑ Case Size øD×L(mm)

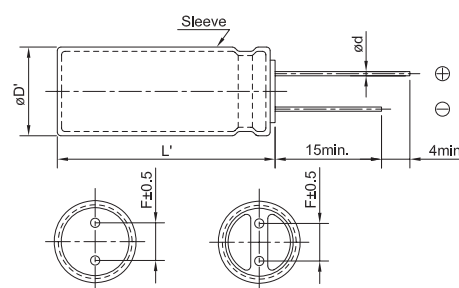
### RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Cap.(μF) \ Freq.(Hz)	120	1k	10k	100k
1~100	0.40	0.75	0.90	1.00

### DIMENSIONS OF EXB Series

Unit(mm)



Marking : DARK BROWN SLEEVE, SILVER INK

øD	5	6.3
ød	0.45	
F	2.0	2.5
øD'	øD+0.5max	
L'	L+1.0max	