



MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

SR Series

• 85°C 2,000Hrs assured.

- Non-solvent proof.
- Low-profile.
- For CD-Rom, DVD Combo
- RoHS compliant.

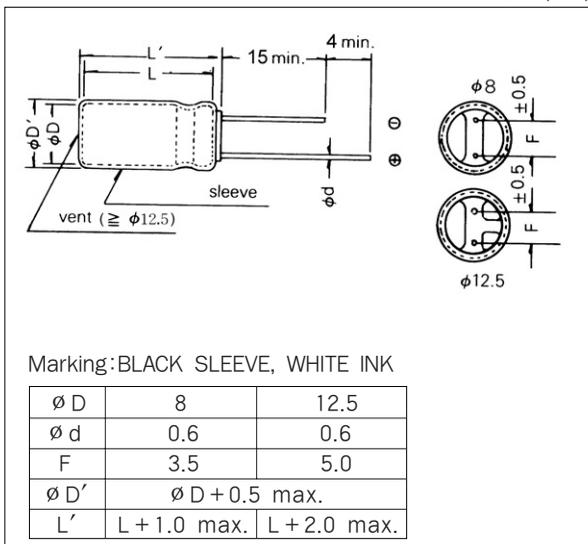


SPECIFICATIONS

Item	Characteristics																					
Rated Voltage Range	4 ~ 50 V _{dc}																					
Operating Temperature Range	-40 ~ +85°C																					
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)																					
Leakage Current	I=0.01CV(µA) or 3µA, whichever is greater. Where, I:Max. Leakage current(µA), C:Nominal capacitance(µF), V:Rated voltage(V _{dc}) (at 20°C, 2 minutes)																					
Dissipation Factor(Tanδ)	<table border="1"> <tr> <td>Rated Voltage(V_{dc})</td> <td>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Tanδ(Max.)</td> <td>0.35</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> </tr> </table> <p>※ 6.3VB 470 (0.28) When the capacitance exceeds 1,000µF 0.02 shall be added every 1,000µF increase. (at 20°C, 120Hz)</p>	Rated Voltage(V _{dc})	4	6.3	10	16	25	35	50	Tanδ(Max.)	0.35	0.24	0.20	0.16	0.14	0.12	0.10					
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Temperature Characteristics (Max. Impedance ratio)	<table border="1"> <tr> <td>Rated Voltage(V_{dc})</td> <td>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35~50</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>4</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>10</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> </tr> </table> <p>(at 120Hz)</p>	Rated Voltage(V _{dc})	4	6.3	10	16	25	35~50	Z(-25°C)/Z(20°C)	4	4	3	2	2	2	Z(-40°C)/Z(20°C)	10	10	8	6	4	3
Rated Voltage(V _{dc})	4	6.3	10	16	25	35~50																
Z(-25°C)/Z(20°C)	4	4	3	2	2	2																
Z(-40°C)/Z(20°C)	10	10	8	6	4	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 85°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 500 hours at 85°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 measurement. Capacitance change ≤ ±20% of the initial value Tanδ ≤ 200% of the initial specified value Leakage current ≤ The initial specified value																					
Others	Satisfied characteristics W of KS C6421																					

DIMENSIONS OF SR Series

Unit (mm)



RATINGS OF SR Series

V _{dc} µF	4(0G)	6.3(0J)	10(1A)	16(1C)	25(1E)	35(1V)	50(1H)
22							
33							8×9 98
47						8×9 98	8×9 110
100					8×9 115		
220			8×9 150	8×9 290			12.5×16 390
330		8×9 170				12.5×16 410	12.5×16 480
470	8×9 180	8×9 241			12.5×16 440		
1,000					12.5×16 600		

Rated Ripple Current (mA_{rms}/85°C, 120Hz)
Case Size ∅ D × L (mm)

note) products are produced as MHA Series.