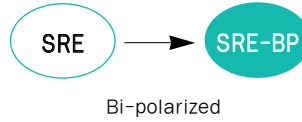


SRE-BP(DSA-BP) Series

• 85°C 1,000Hrs assured.

- Non-solvent proof.
- Height 5mm.
- Bi-polarized
- For CAR-Audio
- 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 (In both directions)	I = 0.06CV or 10µA, whichever is greater Where, I:Max.Leakage current(µA), C:Nominal capacitance(µF), V:rated voltage(V _{DC}) (at 20°C, 1 minute)																					
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>35~50</td> </tr> <tr> <td>Tanδ(Max.)</td> <td>0.35</td> <td>0.24</td> <td>0.20</td> <td>0.17</td> <td>0.17</td> <td>0.15</td> </tr> </table> <p>(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	0.17	0.17	0.15							
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Tanδ(Max.)	0.35	0.24	0.20	0.17	0.17	0.15																
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>7</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>15</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)	7	4	3	2	2	2	Z(-40°C)/Z(20°C)	15	10	8	6	4	3
Rated Voltage(V _{DC})	4	6.3	10	16	25	35~50																
Z(-25°C)/Z(20°C)	7	4	3	2	2	2																
Z(-40°C)/Z(20°C)	15	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 1,000 hours at 85°C. During this test, the rated voltage shall be reversed on the capacitor every 250 hours. 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 24hours 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 C 6421																					

RATINGS OF SRE-BP Series

V _{DC} µF	4(0G)	6.3(0J)	10(1A)	16(1C)	25(1E)	35(1V)	50(1H)
0.1							3.5×5 1.3
0.15							3.5×5 1.9
0.22							3.5×5 2.3
0.33							3.5×5 2.8
0.47							3.5×5 3.4
0.68							3.5×5 4.1
1						3.5×5 5.0	3.5×5 5.5
1.5					3.5×5 5.7	3.5×5 6.7	4×5 7.5
2.2				3.5×5 7.0	3.5×5 8.0	4×5 9.1	5×5 10
3.3			3.5×5 7.8	3.5×5 9.0	4×5 10	5×5 12	5×5 13
4.7		3.5×5 8.6	3.5×5 10	4×5 12	5×5 14	5×5 15	6.3×5 16
6.8	3.5×5 8.5	3.5×5 11	4×5 14	5×5 17	5×5 18	6.3×5 20	6.3×5 20
10	3.5×5 11	4×5 15	4×5 19	5×5 21	6.3×5 22	6.3×5 24	
15	4×5 15	5×5 22	5×5 23	6.3×5 27	6.3×5 28		
22	5×5 22	5×5 26	5×5 31	6.3×5 33			
33	6.3×5 28	6.3×5 36	6.3×5 38				
47	6.3×5 34	6.3×5 41					

↑ Rated Ripple Current (mA/85°C, 120Hz)
↑ Case Size øD × L(mm)

DIMENSIONS OF SRE-BP Series

Unit (mm)

Marking: BLACK SLEEVE, WHITE INK

ø D	3.5	4	5	6.3
ø d	0.4	0.45	0.45	0.45
F	1.0	1.5	2.0	2.5
ø D'	ø D + 0.5 max.			
L'	L + 1.0 max.			