

GSA-BP Series

• 85°C 2,000Hrs assured.

- Non-solvent proof.
- Height 7mm.
- Bi-polarized
- Downsized of SRA-BP series.
- For CAR-Audio, VCR
- RoHS compliant.
- Halogen-free capacitors are also available.



SPECIFICATIONS

Item	Characteristics																		
Rated Voltage Range	6.3 ~ 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(μA) 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>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>0.24</td> <td>0.20</td> <td>0.17</td> <td>0.16</td> <td>0.15</td> <td>0.14</td> </tr> </table>	Rated voltage(V _{DC})	6.3	10	16	25	35	50	Tanδ(Max.)	0.24	0.20	0.17	0.16	0.15	0.14				
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Tanδ(Max.)	0.24	0.20	0.17	0.16	0.15	0.14													
(at 20°C, 120Hz)																			
Temperature Characteristics (Max. Impedance ratio)	<table border="1"> <tr> <td>Rated voltage(V_{DC})</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>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>8</td> <td>6</td> <td>4</td> <td>3</td> </tr> </table>	Rated voltage(V _{DC})	6.3	10	16	25	35~50	Z(-25°C)/Z(20°C)	4	3	2	2	2	Z(-40°C)/Z(20°C)	10	8	6	4	3
	Rated voltage(V _{DC})	6.3	10	16	25	35~50													
	Z(-25°C)/Z(20°C)	4	3	2	2	2													
Z(-40°C)/Z(20°C)	10	8	6	4	3														
(at 120Hz)																			
Load Life	<p>The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated is voltage for 2,000 hours at 85°C. During the test, the rated voltage shall be reversed on the capacitor every 250 hours.</p> <p>Capacitance change ≤ ±20% of the initial value Tan δ ≤ 200% of the initial specified value Leakage current ≤ The initial specified value</p>																		
Shelf Life	<p>The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 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 measurements.</p> <p>Capacitance change ≤ ±20% of the initial value Tan δ ≤ 200% of the initial specified value Leakage current ≤ The initial specified value</p>																		
Others	Satisfied characteristics KS C IEC 60384-4																		

RATINGS OF GSA-BP Series

μF \ V _{DC}	6.3	10	16	25	35	50
0.1						4×7 2.1
0.22						4×7 4.5
0.33						4×7 5.6
0.47						4×7 6.6
1						4×7 9.7
2.2					4×7 13	4×7 14
3.3				4×7 15	4×7 15	4×7 17
4.7			4×7 18	4×7 18	5×7 20	5×7 21
10		4×7 23	4×7 25	5×7 27	6.3×7 33	6.3×7 35
22	4×7 31	4×7 35	5×7 39	6.3×7 44		
33	5×7 40	5×7 48	6.3×7 49			
47	6.3×7 49	6.3×7 53				

↑ Rated Ripple Current(mArms/85°C, 120Hz)
 ↑ Case Size ∅D×L(mm)

DIMENSIONS OF GSA-BP Series

Unit (mm)

