

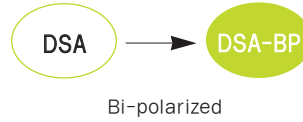


MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

DSA(SRE)-BP Series

• 85°C 1,000Hrs assured.

- Non-solvent proof.
- Height 5mm.
- Bi-polarized
- For CAR-Audio
- RoHS compliant.
- Halogen-free capacitors are also available.



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)	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
Temperature Characteristics (Max. Impedance ratio)	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 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 DSA(SRE)-BP Series

V _{DC} / μF	4	6.3	10	16	25	35	50
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 rms/85°C, 120Hz)
↑ Case Size ØD × L (mm)

DIMENSIONS OF DSA(SRE)-BP Series

Unit(mm)

