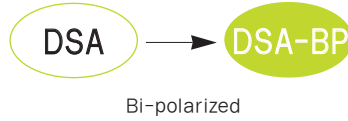


DSA-BP Series

• 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	<p>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.</p> <p>Capacitance change ≤ ±20% of the initial value Tanδ ≤ 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 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 measurements.</p> <p>Capacitance change ≤ ±20% of the initial value Tanδ ≤ 200% of the initial specified value Leakage current ≤ The initial specified value</p>						
Others	Satisfied characteristics KS C IEC 60384-4						

RATINGS OF DSA-BP Series

V _{DC} / µF	4	6.3	10	16	25	35	50
1							4×5 6
2.2						4×5 9.1	5×5 10
3.3					4×5 10	5×5 12	5×5 13
4.7				4×5 12	5×5 14	5×5 15	6.3×5 16
6.8			4×5 14	5×5 17	5×5 18	6.3×5 20	6.3×5 20
10		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-BP Series

Unit(mm)

