

OS-CON is an aluminum solid capacitor with high conductive polymer or organic semiconductor electrolyte material. **OS-CON** acquires low Equivalent Series Resistance (ESR), excellent noise reduction capability and frequency characteristics. In addition, **OS-CON** has a long life span and its ESR has little change even at low temperatures since the electrolyte is solid.



Features

● Low ESR obtained by using conductive polymer electrolyte

- Suitable as a decoupling capacitor, because its impedance has ideal frequency characteristics.
- Suitable as a smoothing capacitor, enabling miniaturizing switching power supplies, because it allows large ripple current.
- Suitable as a backup capacitor for the circuits that consume large current at a high speed.

● Pb-free Compliant

All the models are completely Pb-free and RoHS compliant products.

● Long life

50000h life at 85°C can be expected (SVQP, SVPD, SEQP, SH series), suitable for long-operating industrial equipments.

● Superior temperature characteristics

Its ESR has stable characteristics at a temperature from -55°C to 105°C (partly 125°C), suitable for applications used at low temperatures (under 0°C).

● Wide capacitance range from 1μF to 2700μF

An array of various series covers wide capacitance range.

● High voltage, high reliability

High reliability products have achieved the highest rated voltage 35V and the guarantee of 85°Cx85%RH (SVPD series), suitable for automotive and industrial equipments.

Applications

As a smoothing, backup, and bypass capacitor used in various fields such as digital equipments, household appliances, computer-related hardware, and industrial equipments.