



OS-CON

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

- Some special series can be expected 50,000h life at 85°C, 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 1 μF to 2700 μF

- 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.

Series integration

① Since the following models of the SC, SA, SL, SH, SVP and SVQP series have been integrated into models with a higher voltage rating, please consider these higher voltage rating models for new adoption or model changes.

Series	Size Code	Applicable model	Alternative model	Series	Size Code	Applicable model	Alternative model	Series	Size Code	Applicable model	Alternative model		
SC	A	16SC1M	25SC1M	SL	C'	6SL33M	10SL33M	SVP	C6	4SVP82M	6SVP82M		
		16SC1R5M	25SC1R5M			6SL47M	10SL47M			E7	10SVP82M	16SVP82M	
	B	6SC10M	10SC10M		SH	A	16SH1M				25SH1M	6SVP120M	10SVP120M
		C	16SC10M				25SC10M				16SH1R5M	25SH1R5M	6SVP150M
	D		6SC22M		10SC22M	C	16SH10M				25SH10M	4SVP150M	10SVP150MX
		6SC47M	10SC47M		SVP		A5			6SVP15M	10SVP15M	4SVP220M	6SVP220MX
SA	C	10SA33M	16SA33M	4SVP22M		6SVP22M		F8		4SVP470M	6SVP470MX		
		10SA100M	16SA100M	B6		10SVP22M	16SVP22M			SVQP	E7	6SVQP150M	10SVQP150M
SL	B'	6SL10M	10SL10M		6SVP33M	10SVP33M	4SVQP220M	6SVQP220M					
		C'	6SL22M	10SL22M	C6	6SVP56M	10SVP56M						

② Production of the SG, SV, SM and SN series has been discontinued. Therefore, customers using these series at present are kindly requested to substitute the SP series for the SG series, and the SVP series for the SV, SM and SN series.

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