Panasonic

New Product Introduction



New OS-CON™ Capacitors

Aluminum-Polymer Solid Capacitors

Long Life Span and Minimal Changes in ESR Throughout the Rated Temperature Range

Panasonic, a worldwide leader in Capacitor Products, introduces **OS-CON Aluminum-Polymer Solid Capacitors** to their Capacitor product line. Available in both surface mount and through hole types, the **OS-CON product line** spans several Series of Solid Electrolyte Aluminum Capacitors, which include **the SVP, SVPC, SVPF, SVPE, SEP, SEPC, and SEPF Series**. **OS-CON Capacitors** utilize aluminum and a high conductivity polymer material to offer low ESR, excellent noise reduction and ripple current capabilities. **OS-CON** parts are characterized by a long life span and minimal changes in ESR throughout the entire rated temperature range.

Features

- Very Low ESR (Down to 5mΩ)
- Large Capacitance (Up to 2700µF)
- High Temp Reflow Solder Capable
- RoHS Compliant

Benefits

- Highly Stable Temperature Characteristics
- Long Lifetime at High Temperatures
- Can Be Used Widely in Industrial Applicaitons

Industries

- Consumer Electronics
- Industrial Electronics
- Telecommunications
- Appliances

Applications

- LED Lighting
- PC/Server
- Set Top Box
- Audio/Video Equipment
- FPGA Power Delivery
- Router/Switch/Base Station
- Test and Measurement

Series Information

OS-CON™ **SVP, SVPC, SVPF, SVPE, SEP, SEPC, SEPF Series**

Series	Voltage	Capacitance	ESR
SVP	2.5-25 VDC	3.3-1500 µF	12-260 mΩ
SVPC	2.5-16 VDC	39-2700 µF	9-35 mΩ
SVPF	16-50 VDC	10-1000 µF	12-40 mΩ
SVPE	2-16 VDC	150-1200 µF	8-20 mΩ
SEP	2.5-25 VDC	6.8-1500 µF	12-80 mΩ
SEPC	2.5-16 VDC	100-2700 µF	5-24 mΩ
SEPF	16-35 VDC	22-1000 µF	12-35 mΩ

Part Number Information

SMD Type

2	R	5	S	V	P	C	1	5	0	0	M
Rated Voltage			Series				Rated Capacitance				Cap. Tol.

Through Hole Type

1	6	S	E	P	F	2	7	0	M	+	T	S	S
Rated Voltage		Series				Rated Capacitance			Cap. Tol.	Taping Code Formation Code Terminal Code			

Additional Information

For detailed specification information on the **OS-CON Line** of Polymer Aluminum Solid Capacitors, visit our website at:

www.panasonic.com/industrial/electronic-components/capacitive-products/

Website: www.panasonic.com/industrial
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