

SEPC Series

Aluminum solid capacitors with Conductive polymer



Ultra Low ESR : 5mOHM / Large capacitance : 2700uF
Large ripple current : 7200mArms / Small size : C9

** Endurance : 105C x RV x 2,000h

** Damp heat : 60deg.C x 90% x 1,000h (No voltage)

Introducing additional models (highlighted in red)

SEPC Series Characteristics List

Size code	Part Number *1	Rated Voltage (V)	Rated Capacitance (uF)	ESR 100kHz to 300kHz (mOHM)(max.)	Rated ripple current 100kHz (mArms) at105C	Tangent of loss angle (max.)	Leakage current (uA) (max.)*2
C6	16SEPC100M	16	100	24	2820	0.10	320
C9	2SEPC560MW	2.5	560	7	5600	0.10	500
E9	6SEPC470MX	6.3	470	8	5700	0.10	592
	6SEPC560MX	6.3	560	7	6100	0.10	500
	4SEPC560MX	4	560	7	6100	0.10	500
	2SEPC560MX	2.5	560	8	4700	0.10	280
	2SEPC820MX	2.5	820	7	6100	0.10	500
	2SEPC820MY	2.5	820	5	7200	0.10	500
	2SEPC1000MX	2.5	1000	7	6100	0.10	500
E12	16SEPC180M	16	180	16	4360	0.10	576
	16SEPC270M	16	270	11	5000	0.10	864
E13	6SEPC470M	6.3	470	8	5700	0.10	592
	4SEPC560M	4	560	7	6100	0.10	500
	4SEPC680M	4	680	7	6100	0.10	544
	2R5SEPC820M	2.5	820	7	6100	0.10	500
F13	16SEPC470M	16	470	10	6100	0.10	1504
	6SEPC680M	6.3	680	7	6640	0.10	857
	6SEPC1500M	6.3	1500	10	5560	0.10	1890
	4SEPC820M	4	820	7	6640	0.10	656
	2SEPC2700M	2.5	2700	10	5560	0.10	1350

*1 Capacitance tolerance : M ; +/-20%

*2 After 2 minutes

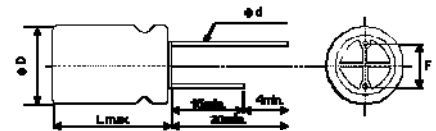
Dimensions

(unit:mm)

Size code	pi D+0.5max.	Lmax.	F	pi d+/-0.05
C6	6.3	6.0	2.5+/-0.5	0.45
C9	6.3	9.0	2.5+/-0.5	0.6
E9	8.0	9.0	3.5+/-0.5	0.6
E12	8.0	12.0	3.5+/-0.5	0.6
E13	8.0	13.0	3.5+/-0.5	0.6
F13	10.0	13.0	5+/-0.5	0.6

*E9 size will be used flat rubber packing.

Form figure



Size List

RV:rated voltage (SV):surge voltage (room temperature)

RV (SV)	2.5 (3.3)	4 (5.2)	6.3 (8.2)	16 (18.4)
uF				
100				C6
180				E12
270				E12
470			E9, E13	F13
560	C9, E9	E9, E13	E9	
680		E13	F13	
820	E9, E13	F13		
1000	E9			
1500			F13	
2700	F13			

Samples and Mass productions

Please contact your local sales for samples, mass production date or any other inquiries you may have.

This flier is a supplement of OS-CON TECHNICAL BOOK ver.14. All the value and part numbers are tentative and subject to change with or without notice. Please obtain official specification from your sales before use.