

VISHAY OS-CON Aluminum Electrolytic Capacitors



ORGANIC POLYMER RADIAL LEADED ALUMINUM ELECTROLYTIC CAPACITORS

This product is RoHS compliant.

94SA SERIES, OS-CON - Miniaturized - High Capacitance

Specifications:

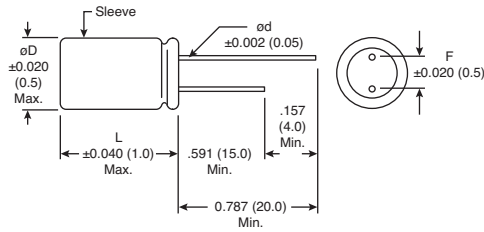
- Operating temperature: -55°C to +105°C
- Capacitance tolerance: X0 = ±20%

Features:

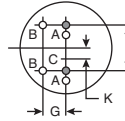
- Suitable for high frequency switching power supplies



Temperature Coefficient Ripple Current	
Ambient Temperature	Coefficient
~+45°C	1.0
+85°C	0.7
+95°C	0.4
+105°C	0.25



Standards of Lead Position



● Mark = Ideal Lead Position

C= The Middle Point of A-A

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Voltage	Case	Dimensions: in.				Max. ESR	Max. Allowable Ripple	Price Each				
					Nom. Case Size ØD x L	F	Ød	G (Max.)			K (Max.)	1	50	100	200
75-94SA226X0020CBP	94SA226X0020CBP	22	20	C	0.248 x 0.268	0.098±0.02	0.018	0.02	0.02	70	1300	1.55	1.25	1.00	.92
75-94SA336X0016CBP	94SA336X0016CBP	33	16	C	0.248 x 0.268	0.098±0.02	0.018	0.02	0.02	70	1370	1.45	1.16	.93	.86
75-94SA476X0016DBP	94SA476X0016DBP	47	16	D	0.248 x 0.386	0.098±0.02	0.024	0.02	0.02	60	1830	1.86	1.50	1.20	1.10
75-94SA476X0020EBP	94SA476X0020EBP	47	20	E	0.315 x 0.413	0.138±0.02	0.024	0.031	0.031	40	2450	2.76	2.22	1.78	1.63
75-94SA686X0020EBP	94SA686X0020EBP	68	20	E	0.315 x 0.413	0.138±0.02	0.024	0.031	0.031	36	2600	2.97	2.39	1.91	1.78
75-94SA107X0010EBP	94SA107X0010EBP	100	10	E	0.315 x 0.197	0.138±0.02	0.024	0.031	0.031	32	2350	2.76	2.22	1.78	1.63
75-94SA107X0016EBP	94SA107X0016EBP	100	16	E	0.315 x 0.413	0.138±0.02	0.024	0.031	0.031	30	2740	2.76	2.22	1.78	1.63
75-94SA107X0020FBP	94SA107X0020FBP	100	20	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	30	3210	3.14	2.53	2.02	1.86
75-94SA157X06R3EBP	94SA157X06R3EBP	150	6.3	E	0.315 x 0.413	0.138±0.02	0.024	0.031	0.031	30	2780	2.76	2.22	1.78	1.63
75-94SA157X0016FBP	94SA157X0016FBP	150	16	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	28	3260	3.14	2.53	2.02	1.86
75-94SA227X0010FBP	94SA227X0010FBP	220	10	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	27	3370	3.14	2.53	2.02	1.86
75-94SA337X06R3FBP	94SA337X06R3FBP	330	6.3	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	25	3500	4.07	3.28	2.62	2.41
75-94SA477X0016GBP	94SA477X0016GBP	470	16	G	0.492 x 0.866	0.197±0.04	0.031	0.031	0.031	20	6080	7.52	6.06	4.84	4.45

Aluminum Polymer Caps Vishay

94SP SERIES, OS-CON - Low ESR - High Capacitance

Specifications:

- Operating temperature: -55°C to +105°C
- Capacitance tolerance: X0 = ±20%

Features:

- Approximately two times the capacitance of existing capacitors and less than half the ESR
- Ideal for designing around MPUs for computer equipment



RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Voltage	Case	Dimensions: in.				Max. ESR	Max. Allowable Ripple	Price Each				
					Nom. Case Size ØD x L	F	Ød	G (Max.)			K (Max.)	1	50	100	200
75-94SP226X0020CBP	94SP226X0020CBP	22	20	C	0.248 x 0.197	0.098±0.02	0.024	0.02	0.02	50	1580	2.76	2.22	1.78	1.63
75-94SP476X0020EBP	94SP476X0020EBP	47	20	E	0.315 x 0.197	0.138±0.02	0.024	0.031	0.031	36	2210	3.60	2.90	2.32	2.13
75-94SP686X06R3CBP	94SP686X06R3CBP	68	6.3	C	0.248 x 0.268	0.098±0.02	0.018	0.02	0.02	40	1850	2.76	2.22	1.78	1.63
75-94SP686X0020FBP	94SP686X0020FBP	68	20	F	0.394 x 0.197	0.197±0.02	0.024	0.031	0.031	34	2800	3.60	2.90	2.32	2.13
75-94SP107X0016FBP	94SP107X0016FBP	100	16	F	0.394 x 0.197	0.197±0.02	0.024	0.031	0.031	32	2890	4.99	4.02	3.22	3.04
75-94SP127X0020EBP	94SP127X0020EBP	120	20	E	0.315 x 0.413	0.138±0.02	0.024	0.031	0.031	24	3110	4.50	3.81	2.83	2.30
75-94SP187X0016EBP	94SP187X0016EBP	180	16	E	0.315 x 0.413	0.138±0.02	0.024	0.031	0.031	20	3410	4.50	3.81	2.83	2.30
75-94SP187X0020FBP	94SP187X0020FBP	180	20	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	20	4280	7.52	6.06	4.84	4.45
75-94SP227X06R3FBP	94SP227X06R3FBP	220	6.3	F	0.394 x 0.197	0.197±0.02	0.024	0.031	0.031	28	3100	4.41	3.56	2.84	2.61
75-94SP277X0016FBP	94SP277X0016FBP	270	16	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	18	4400	3.60	2.90	2.32	2.13
75-94SP477X0010FBP	94SP477X0010FBP	470	10	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	15	4510	3.60	2.90	2.32	2.13
75-94SP567X0004EBP	94SP567X0004EBP	560	4	E	0.315 x 0.413	0.138±0.02	0.024	0.031	0.031	14	4080	4.69	3.78	3.02	2.78
75-94SP687X06R3FBP	94SP687X06R3FBP	680	6.3	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	13	4840	3.60	2.90	2.32	2.13
75-94SP827X0004FBP	94SP827X0004FBP	820	4	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	12	5040	7.52	6.06	4.84	4.45



ORGANIC POLYMER - SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS

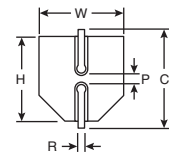
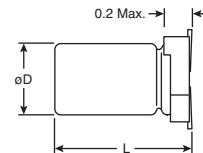
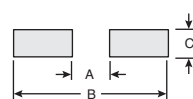
94SVP SERIES, OS-CON - SMD

Specifications:

- Operating temperature: -55°C to +105°C
- Capacitance tolerance @ 20Hz: M; ±20%



Recommended Land Pattern



Features:

- Superior heat-proof characteristics
- Rated ripple current values are guaranteed @ 105°C
- No need to consider derating on maximum allowable ripple current

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Voltage	Case Code	Dimensions: mm							Max. ESR	Max. Allowable Ripple	Price Each			
					ØD ±0.5	L (Max.)	W ±0.2	H ±0.2	C ±0.2	R	P ±0.2			1	50	100	200
75-94SVP476X0020E7	94SVP476X0020E7	47	20	E7	8	7	8.3	8.3	9	0.5 to 0.8	3.2	50	1700	4.50	3.81	2.83	2.30
75-94SVP686X0020F8	94SVP686X0020F8	68	20	F8	10	8	10.3	10.3	11	0.5 to 0.8	4.6	45	2200	4.41	3.56	2.84	2.61
75-94SVP107X0016F8	94SVP107X0016F8	100	16	F8	10	8	10.3	10.3	11	0.5 to 0.8	4.6	40	2400	4.07	3.28	2.62	2.41
75-94SVP107X0020E12	94SVP107X0020E12	100	20	E12	8	12	8.3	8.3	9	0.8 to 1.1	3.2	25	3260	4.07	3.28	2.62	2.41
75-94SVP157X0020F12	94SVP157X0020F12	150	20	F12	10	12.7	10.3	10.3	11	0.8 to 1.1	4.6	21	4220	4.99	4.02	3.22	3.04