



OS-CON SEP Series Specifications

The SEP series has low ESR and large capacitance using polymerized organic semiconductor as electrolyte.

This provides improved heat resistance characteristics, such as rated ripple current values of the SEP are guaranteed at 105 degrees C. In addition, the SEP series does not require derating on maximum allowable ripple current. Operating temperature range is -55 degrees C to +105 degrees C.

Long life: 2000 hours @+105 degrees C.

*1 Capacitance tolerance M +/- 20%

*2 100 KHz, +105 degrees C

*3 After 2 minutes

Size	Part Number	Rated	Nominal	ESR	Maximum	Tangent of	Leakage
Code	*1	Voltage	Capacitance	(100k~300kHz)	allowable	loss angle	current (uA)
		(V)	(uF)	(mohm) (max.)	ripple current	(max.)	(max.)*3
					(mArms) *2		
C6	25SEP6R8M	25	6.8	80	1200	0.10	170
C6	20SEP22M	20	22	65	1390	0.10	220
C6	16SEP39M	16	39	65	1390	0.10	312
C6	10SEP56M	10	56	55	1510	0.12	280
C6	6SEP82M	6.3	82	50	1570	0.12	258
C6	4SEP100M	4	100	50	1620	0.12	200
C6	4SEP150M	4	150	50	1620	0.12	300
E7	25SEP10M	25	10	60	1500	0.10	250
E7	20SEP33M	20	33	50	1700	0.12	330
E7	20SEP47M	20	47	50	1700	0.12	470
E7	16SEP82M	16	82	45	1890	0.12	656
E7	10SEP120M	10	120	40	2120	0.12	600
E7	6SEP150M	6.3	150	35	2350	0.12	472
E7	4SEP220M	4	220	35	2560	0.12	440
E7	4SEP330M	4	330	35	2560	0.12	660
F8	25SEP22M	25	22	50	2000	0.10	275
F8	20SEP56M	20	56	45	2200	0.12	224
F8	20SEP68M	20	68	45	2200	0.12	272
F8	16SEP150M	16	150	35	2670	0.12	480
F8	10SEP270M	10	270	30	3020	0.12	540
F8	6SEP330M	6.3	330	25	3300	0.12	416
F8	4SEP470M	4	470	25	3300	0.12	376
F8	4SEP680M	4	680	25	3700	0.12	544
E12	25SEP33M	25	33	30	2980	0.12	413

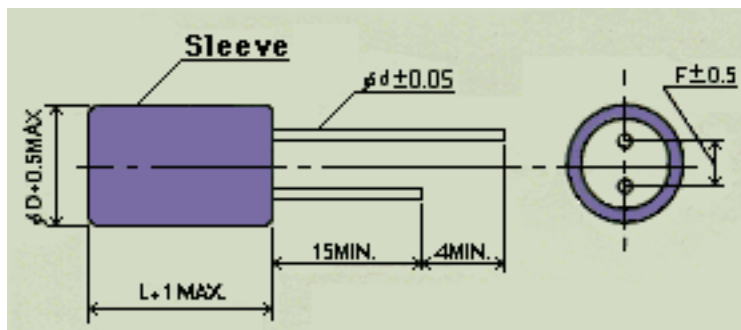
E12	20SEP100M	20	100	25	3260	0.15	400
E12	16SEP180M	16	180	22	3480	0.15	576
E12	10SEP330M	10	330	19	3740	0.15	660
E12	6SEP470M	6.3	470	17	3960	0.15	592
E12	4SEP560M	4	560	16	4080	0.15	448
E12	2R5SEP680M	2.5	680	16	4080	0.15	340
F13	25SEP56M	25	56	28	3800	0.12	700
F13	20SEP150M	20	150	21	4220	0.15	600
F13	16SEP330M	16	330	17	4580	0.15	792
F13	10SEP560M	10	560	15	4870	0.15	840
F13	6SEP820M	6.3	820	14	5040	0.15	775
F13	4SEP1200M	4	1200	13	5230	0.18	960
F13	2R5SEP1500M	2.5	1500	13	5230	0.18	750

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SEP Series Dimensions and Part number explanation.



Dimensions

unit: mm

Size Code	C6	E7	F8	E12	F13
D X L	6.3 X 6.0	8.0 X 7.0	10.0 X 8.0	6.3 X 12.5	10.0 X 13.0
F	2.5 +/- 0.5	3.5 +/- 0.5	5.0 +/- 0.5	3.5 +/- 0.5	5.0 +/- 0.5
d	0.45	0.45	0.50	0.60	0.60

Standard Packaging

Bulk Pack		Ammo Pack		Reel Pack	
size code	Pieces/Bag	size code	Quantity (PCS)	size code	Quantity (PCS)
6.3 dia.	500	6.3 dia.	1500	6.3 dia.	1000
8.0 dia.	200	8.0 dia.	1000	8.0 dia.	500
10.0 dia.	200	10.0 dia.	500	10.0 dia.	500

Part number explanation

6SEP150M+TS is the part number example

6		SEP	150		M		+TS	
Rated Voltage	Code	SEP Series	Nominal Capacitance	Code	Capacitance Tolerance	Code	Taping or Lead wire process code	
6.3	6		150	150	+/- 20%	M	Tape & Leads Formed to 5 mm spacing	+T
							Taping & Straight Leads	+TS

16SEP39M+T is the part number example

16		SEP	39		M		+T	
Rated Voltage	Code	SEP Series	Nominal Capacitance	Code	Capacitance Tolerance	Code	Taping or Lead wire Process code	
16	16		39	39	+/- 20%	M	Tape & Leads Formed to 5 mm spacing	+T
							Taping & Straight Leads	+TS