

SDM

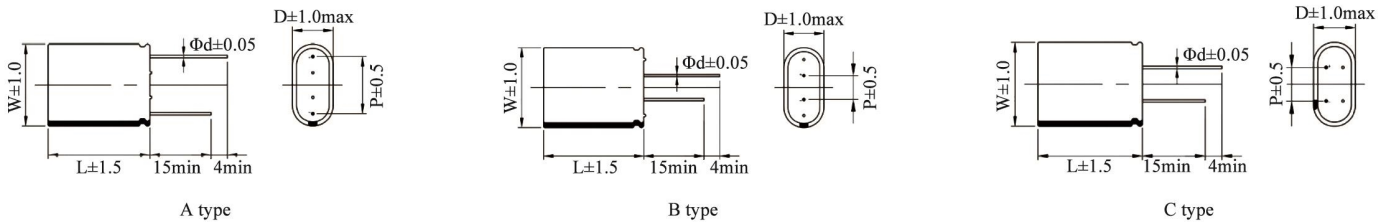
- ◆ Large Capacitance, High Power, Internal Tandem Structure
- ◆ Low ESR, Long Charge and Discharge Life Cycle
- ◆ Low LC, Combined with Battery
- ◆ RoHS, REACH Compliant
- ◆ Customization Based on Customer Requirement



Specifications

Items	Characteristics	
Temperature Range	-40°C~+70°C	
Rated Voltage Range	5.5V.DC , 7.5V.DC	
Capacitance Range	-10%~+30%(20°C)	
Temperature Characteristics	Capacitance change	$ \Delta c/c(+20^\circ\text{C}) \leq 30\%$
	ESR	400% or less than the initial value (-25°C)
Endurance	The specification should be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 70°C.	
	Capacitance change	Within ±30% of the initial capacitance value
	ESR	400% or less than the initial specified value
Shelf Life	The specification should be met when the capacitors are restored to 20°C after storing under no load for 1000 hours at 70°C.	
	Capacitance change	Within ±30% of the initial capacitance value
	ESR	300% or less than the initial specified value

5.5V Serial Module Standard Size (Size:mm)



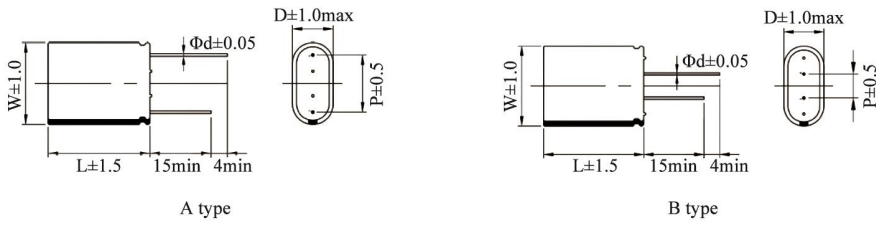
ΦD	W	P			Φd
		A type	B type	C type	
8	16	11.5	4.5	8	0.6
10	20	15.5	5	10	0.6
12.5	25	18	7.5	13	0.6

ΦD	W	P	Φd
		A type	
5	10	7	0.5
6.3	13	9	0.5
16	32	24	0.8
18	36	26	0.8

Product Size

Series	Rated Voltage (Vdc)	Capacitance Range (F)	Size W×D×L (mm)	Internal ESR AC (mΩ,1KHz)	72h LC(μA)	Part Number
SDM	5.5	0.1	10×5×12	1200	2	SDM5R5M1041012
	5.5	0.22	10×5×12	800	2	SDM5R5M2241012
	5.5	0.33	10×5×12	800	2	SDM5R5M3341012
	5.5	0.47	13×6.3×12	600	2	SDM5R5M4741312
	5.5	0.47	16×8×14	400	2	SDM5R5M4741614
	5.5	1	16×8×18	240	4	SDM5R5M1051618
	5.5	1.5	16×8×22	200	6	SDM5R5M1551622
	5.5	2.5	16×8×27	140	10	SDM5R5M2551627
	5.5	3.5	20×10×22	140	12	SDM5R5M3552022
	5.5	5	20×10×27	100	20	SDM5R5M5052027
	5.5	7.5	25×12.5×27	60	30	SDM5R5M7552527
	5.5	10	25×12.5×32	50	44	SDM5R5M1062532
	5.5	15	33×16×35	50	60	SDM5R5M1563335
	5.5	25	37×18×43	40	100	SDM5R5M2563743
5.5	30	37×18×43	30	120	SDM5R5M3063743	

■ **7.5V Serial Module Standard Size** (Size:mm)



ΦD	W	P		Φd
		A type	B type	
8	24	20.5	13.5	0.6
12.5	37.5	31	21	0.6
16	49	25.5	21	0.8

■ **Product Size**

Series	Rated Voltage (Vdc)	Capacitance Range (F)	Size W×D×L (mm)	Internal ESR AC (mΩ,1KHz)	72h LC(μA)	Part Number
SDM	7.5	0.33	24×8×14	600	2	SDM7R5M33342414
	7.5	0.6	24×8×18	420	4	SDM7R5M6042418
	7.5	1	24×8×22	240	6	SDM7R5M1052422
	7.5	1.5	30×10×22	210	10	SDM7R5M1553022
	7.5	2.5	30×10×27	150	16	SDM7R5M2553027
	7.5	3.3	30×10×27	150	20	SDM7R5M3353027
	7.5	5	37.5×12.5×27	90	30	SDM7R5M5053827