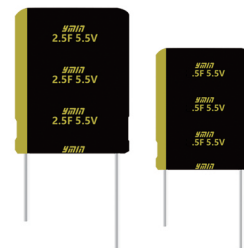


SDM

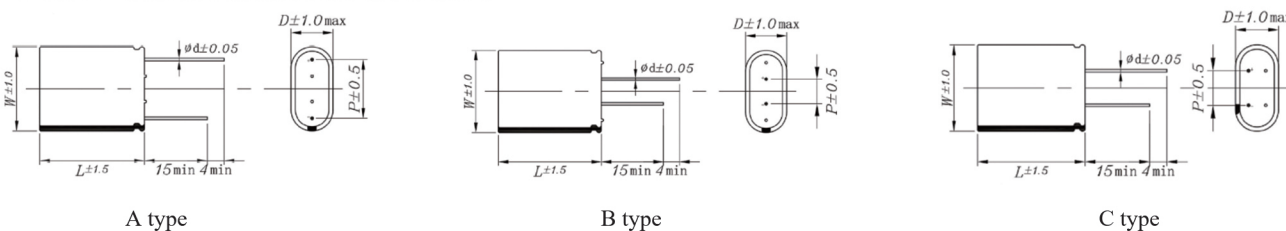
- ◆ Large Capacitance, High Power, Internal Tandem Structure
- ◆ Low ESR, Long Charge And Discharge Life Cycle
- ◆ Low LC, Combined With Battery
- ◆ RoHS, REACH Compliant



Specification

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

2 5.5V Serial Module Outlook



2 5.5v Serial Module Standard Size

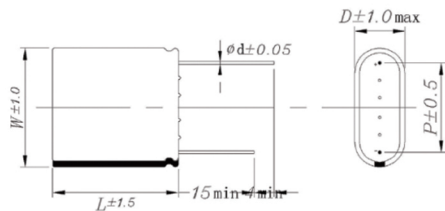
Single Boday D	D	W	P			Φd
			A type	B type	C type	
Φ8	8	16	11.5	4.5	8.0	0.6
Φ10	10	20	15.5	5.0	10.0	0.6
Φ12.5	12.5	25	18.0	7.5	13.0	0.6

Single Boday D	D	W	P	Φd
			A type	
Φ5	5	10	7.0	0.5
Φ6.3	6.3	13	9.0	0.5
Φ16	16	32	24.0	0.8
Φ18	18	36	26.0	0.8

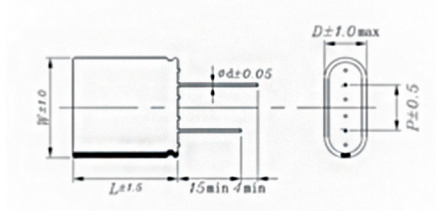
Product Size

Series	Voltage (VDC)	Capacitance (F)	Size ΦD×L(mm)	ESR AC(mΩ,1KHz)	72h LC(μA)	Part Number
SDM	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	1.0	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	20×10×27	140	12	SDM5R5M3552027
	5.5	5.0	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

■ 3 7.5V Serial Module Outlook



A type



A type

■ 3 7.5V Serial Module Standard Size

Single Body D	D	W	P		Φ d
			A type	B type	
Φ8	8	24	20.5	13.5	0.6
Φ12.5	12.5	37.5	31.0	21.0	0.6
Φ16	16	49	25.5	21.0	0.8

■ Product Size

Series	Voltage (VDC)	Capacitance (F)	Size ΦD×L(mm)	ESR (mΩ/20°C,1KHz)	72h LC(μA)	Part Number
SDM	7.5	0.33	24 × 8 × 14	600	2	SDM7R5M3342414
	7.5	0.6	24 × 8 × 18	420	4	SDM7R5M6042418
	7.5	1.0	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	5.0	37.5 × 12.5 × 27	90	30	SDM7R5M5053827