

# SDB

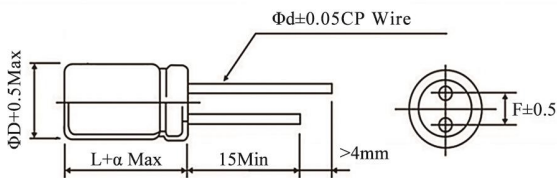
- ◆ 70°C 1000 Hours
- ◆ Standard Product 3.0V.DC
- ◆ High Energy, High Power, High Voltage, Long Life Cycle
- ◆ RoHS, REACH Compliant



## ■ Specifications

Items	Characteristics	
Temperature Range	-40°C~+70°C	
Rated Voltage Range	3.0V.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	300% 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
Humidity	The specification should be met when capacitors are restored to 20°C after the rated voltage is applied for 500 hours at +25°C 90%R.H.	
	Capacitance change	Within ±30% of the initial capacitance value
	ESR	300% or less than the initial specified value

## ■ Standard Size ( Size:mm )



L≤16	a=1.5
L>16	a=2.0

D	8	10	12.5	16	18	22
d	0.6	0.6	0.6	0.8	0.8	0.8
F	3.5	5	5	7.5	7.5	10

## ■ Product Size

Series	Rated Voltage (Vdc)	Capacitance Range (F)	Size ΦD×L (mm)	ESR (mΩ/20°C, 1KHz)	72h LC(μA)	Part Number
SDB	3.0	1	8×11.5	200	3	SDB 3R0 L 105 0812
	3.0	2	8×13	160	4	SDB 3R0 L 205 0813
	3.0	3.3	8×20	95	6	SDB 3R0 L 335 0820
	3.0	3.3	10×13	90	6	SDB 3R0 L 335 1013
	3.0	5	8×25	85	10	SDB 3R0 L 505 0825
	3.0	5	10×20	70	10	SDB 3R0 L 505 1020
	3.0	7	10×20	70	14	SDB 3R0 L 705 1020
	3.0	10	10×25	60	20	SDB 3R0 L 106 1025
	3.0	10	10×30	50	20	SDB 3R0 L 106 1030
	3.0	10	12.5×20	50	20	SDB 3R0 L 106 1320
	3.0	15	12.5×25	40	30	SDB 3R0 L 156 1325
	3.0	25	16×25	27	50	SDB 3R0 L 256 1625
	3.0	50	18×40	18	100	SDB 3R0 L 506 1840
	3.0	70	18×50	18	140	SDB 3R0 L 706 1850
	3.0	100	22×45	16	160	SDB 3R0 L 107 2245
3.0	160	22×55	14	180	SDB 3R0 L 167 2255	