

SVPB series

Aluminum solid capacitors with Conductive Polymer

- ◆◇ Lead Free ◆◇ Endurance : 105deg.C X 1000Hr
- ◆◇ Damp heat : 40deg.C X 90% X 500Hr
- ◆◇ Allowable ripple current : -55deg.C to +105deg.C
The value of the following table. (No Temperature compensation coefficient)

Miniaturized / Profile 5.0mmMax.

◆ Characteristics

Size Code	Part number	Rated voltage [V]	Rated capacitance [uF] at 120Hz	ESR at 100kHz (less than)[mohm]	Rated ripple current [mArms] at 100kHz 105deg.C	Tangent of loss angle at 120Hz (max.)	Leakage Current [uA / 120s] (max.)
C5	20SVPB15M	20	15	45	2000	0.12	120
C5	6SVPB82M	6.3	82	40	1670	0.12	207
C5	4SVPB100M	4.0	100	40	1670	0.12	160
C5	2R5SVPB120M	2.5	120	40	1670	0.12	120

Profile 5.5 mmMax.

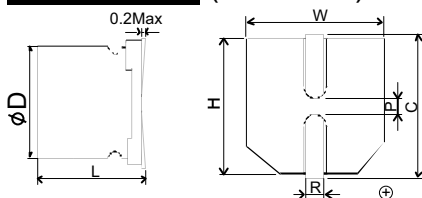
◆ Characteristics

Size Code	Part number	Rated voltage [V]	Rated capacitance [uF] at 120Hz	ESR at 100kHz (less than)[mohm]	Rated ripple current [mArms] at 100kHz 105deg.C	Tangent of loss angle at 120Hz (max.)	Leakage Current [uA/120s] (max.)
C55	20SVPB22M	20	22	35	2000 *	0.12	88

*2500mArms. (Tx ≤ 85deg.C)

Common specification

◆ Dimension (unit : mm)



Size	ØD+0.5Max.	L ⁺⁰ _{-0.5}	W±0.2	H±0.2	C±0.2	R	P±0.2
C5	6.3	5.0	6.6	6.6	7.3	0.5 to 0.8	2.1
C55	6.3	5.5	6.6	6.6	7.3	0.5 to 0.8	2.1

◆ Recommended Reflow Condition

Peak temp.260deg.C → once / Peak temp.250deg.C → twice

◆ Sample and Mass production

Please confirm the sample and the date of mass production before you issue the purchase order.

◇ Because of new products, the models and specifications in the table are subject to change without notice.