



CHIP ALUMINUM ELECTROLYTIC CAPACITORS

SXV

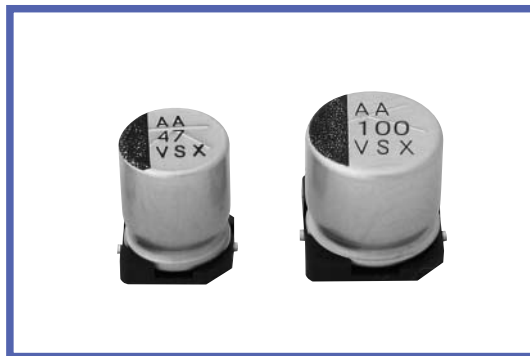
SXV SERIES

Previous Series

125°C High Temperature, Lead Free Reflow Soldering.

◆ FEATURES

- Load Life : 125°C 1000 hours.
- Lead free reflow soldering is available.
- Available for high density mounting.
- RoHS compliance.

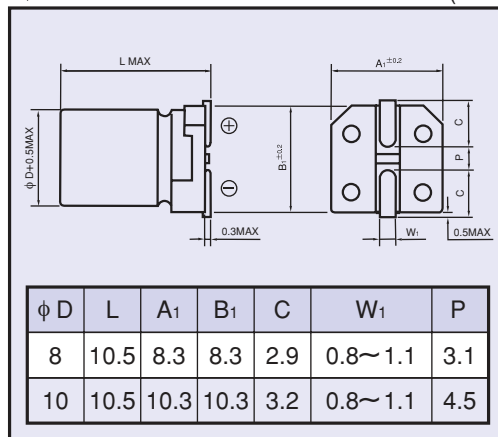


◆ SPECIFICATIONS

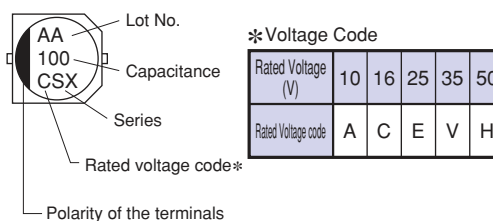
Items	Characteristics	
Category Temperature Range	-40~+125°C	
Rated Voltage Range	10~50V.DC	
Capacitance Tolerance	±20% (20°C, 120Hz)	
Leakage Current(MAX)	I=0.01CV or 3 μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)	
(tanδ) Dissipation Factor(MAX)	Rated Voltage (V)	10 16 25 35 50 (20°C, 120Hz)
	tan δ	0.35 0.26 0.20 0.17 0.15
Endurance	After applying rated voltage with rated ripple current for 1000 hrs at 125°C, the capacitors shall meet the following requirements.	
	Capacitance Change	Within ±30% of the initial value.
	Dissipation Factor	Not more than 300% of the specified value.
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (V)	10 16 25 35 50 (120Hz)
	Z(-25°C)/Z(20°C)	8 8 4 3 3

◆ DIMENSIONS

(mm)



◆ MARKING



◆ MULTIPLIER FOR RIPPLE CURRENT
Frequency coefficient

Frequency (Hz)	60(50)	120	500	1k	10k ≤
Coefficient	10~47 μF	0.80	1.00	1.20	1.30 1.50
	100~470 μF	0.80	1.00	1.10	1.15 1.20

◆ STANDARD SIZE

Size φ D×L(mm), Ripple Current (mA r.m.s./125°C, 120Hz)

WV (V.DC)	Cap (μF)	Size (φ D×L)	Rated Ripple Current
10 (1A)	220	8×10.5	120
	330	8×10.5	135
		10×10.5	160
	470	10×10.5	175
16 (1C)	100	8×10.5	95
	220	8×10.5	125
		10×10.5	140
330	10×10.5	165	

WV (V.DC)	Cap (μF)	Size (φ D×L)	Rated Ripple Current
25 (1E)	47	8×10.5	70
	100	8×10.5	95
		10×10.5	110
		220	10×10.5
	35 (1V)	33	8×10.5
47		8×10.5	70
		10×10.5	80
100	10×10.5	110	

WV (V.DC)	Cap (μF)	Size (φ D×L)	Rated Ripple Current
50 (1H)	10	8×10.5	35
	22	8×10.5	50
		8×10.5	60
	33	10×10.5	65
		10×10.5	80

◆ PART NUMBER

□□□ SXV □□□□□ □ □□□ □□ D×L
 Rated Voltage Series Rated Capacitance Capacitance Tolerance Option Lead Forming Case Size