ROPLA

CONDUCTIVE POLYMER SOLID CAPACITORS

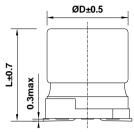
APPROVAL NO.

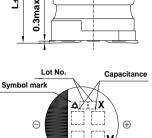
10116

AXV 6.3 VC 1500 (M)

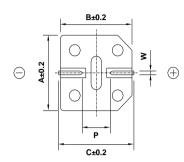
SERIES	AXV		
RATING	6.3 V 1500 <i>μ</i> F		
CASE SIZE	Ф 10 X 10 L		

A. DIAGRAM OF DIMENSION

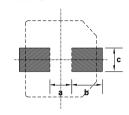




Rated Voltage



Recommended Solder land on PC board



: Solder land on PC board

[UNIT: mm]

Case code	ØD	L	Α	В	С	W	Р	а	b	С
J10	10.0	10.0	10.3	10.3	11.0	0.7 ~ 1.1	4.5	4.5	4.4	2.2

Note 1: 6.3 WV is marked by 6V

B. ELECTRICAL CHARACTERISTICS

A. OPERATING TEMPERATURE RANGE : $\underline{-55}$ $\sim \pm 105 ^{\circ}$

B. RATED VOLTAGE : $\underline{6.3}$ V_{DC}

C. SURGE VOLTAGE : 8.2 V_{DC} at 105 $^{\circ}$ C D. CAPACITANCE TOLERANCE : \pm 20 $^{\circ}$ 0 at 20 $^{\circ}$ 0, 120 $^{\circ}$ 12

E. LEAKAGE CURRENT : Lower 1890 µA, after 2 minutes at 20℃

F. DISSIPATION FACTOR (TAN δ): Lower 0.10 at $20\,^{\circ}$ C, $120\,^{\circ}$ LG. ESR: Lower $14\,\mathrm{m}\Omega$ at $20\,^{\circ}$ C, $100\,\mathrm{km}$ LH. RATED RIPPLE CURRENT: $4570\,\mathrm{mArms}$ at $105\,^{\circ}$ C, $100\,\mathrm{km}$ L

I. FREQUENCY COEFFICIENT FOR RIPPLE CURRENT

	Freq.(Hz)	120 ≤ f< 1k	1k ≤ f< 10k	$10k \le f < 100k$	$100k \le f < 500k$
ſ	Factor	0.05	0.3	0.7	1

J. TEMPERATURE CHARACTERISTIC

* Impedance ratio

Z(-25℃) / Z(+20℃)	≤ 1.15
Z(-55℃) / Z(+20℃)	≤ 1.25

at 100kHz

K. LOAD LIFE: The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 5,000 hours at 105°C.

Capacitance change $\leq \pm 20\%$ of the initial value

Tan δ $\leq 150\%$ of the initial specified value # ESR $\leq 150\%$ of the initial specified value # Leakage Current \leq The initial specified value

L. Bias Humidity: The following specifications shall be satisfied when the capacitors are

restored to 20°C after subjecting them to the DC rated voltage

at 60°C, 90 to 95%RH for 1,000 hours.

Capacitance change $\leq \pm 20\%$ of the initial value

Tan δ $\leq 150\%$ of the initial specified value # ESR $\leq 150\%$ of the initial specified value # Leakage Current \leq The initial specified value

M. CLEANING CONDITIONS : Solvent-proof

* Notes: If any doubt arises, remeasure the leakage current after following voltage treatment. Voltage treatment: Applying rated voltage for 120 minutes at 105°C.

←	←	←
