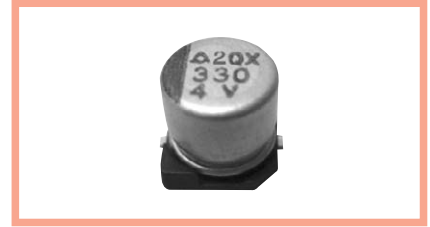
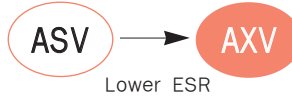


reAlcap™ AXV Series

- Super Low ESR, Large Capacitance
- High Ripple Current
- -55°C ~ +105°C
- Endurance 105°C, 2,000hrs

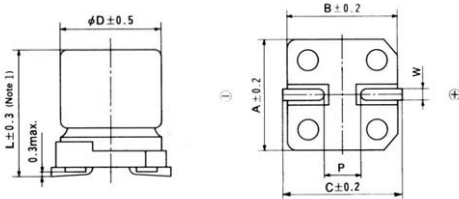


SPECIFICATIONS

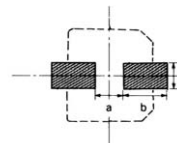
Item	Characteristics
Category temperature range	-55 to +105°C
Rated voltage range	2.5 to 16Vdc
Surge voltage	Rated Voltage(WV) 2.5 4 6.3 10 16
	Surge Voltage(SV) 3.3 5.2 8.2 11.5 18.4
Capacitance tolerance	±20%(M) (at 20°C, 120Hz)
Tangent of loss angle	Shall not exceed the value in Ratings of AXV series. (at 20°C, 120Hz)
Leakage Current ※ 1	Shall not exceed the value in Ratings of AXV series. (at 20°C, 2 minutes)
ESR	Shall not exceed the value in Ratings of AXV series. (at 20°C, 100kHz)
Impedance Ratio (Characteristics at low temp.)	Impedance Ratio
	Z(-55°C)/Z(+20°C) ≤ 1.25
	Z(+105°C)/Z(+20°C) ≤ 1.25 (at 100kHz)
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 2,000 hours at 105°C. Capacitance change ≤ ±20% of the initial value Tan δ ≤ 150% of the initial specified value ESR ≤ 150% of the initial specified value Leakage current ≤ The initial specified value
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, 90~95%RH for 1,000 hours. Capacitance change ≤ ±20% of the initial value Tan δ ≤ 150% of the initial specified value ESR ≤ 150% of the initial specified value Leakage current ≤ The initial specified value
Surge voltage	The following specifications shall be satisfied when the capacitors are restored to +20°C after the surge voltage is at a cycle of 360seconds which consist charge for 30 seconds and discharge for 330 seconds, for 1000 cycles at 105°C. Capacitance change ≤ ±20% of the initial value Tan δ ≤ 150% of the initial specified value ESR ≤ 150% of the initial specified value Leakage current ≤ The initial specified value

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

DIMENSIONS

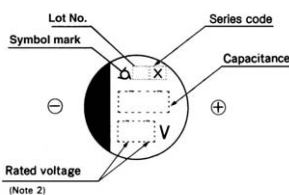


Recommended solder land on PC board



■ : Solder land on PC board

MARKING



Note 1 : L±0.5 for 8×10.0(H10)~10×12.2(J12)
 Note 2 : 6.3WV is marked by 6V

Unit(mm)

Case code	∅ D	L	A	B	C	W	P	a	b	c
F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
H70	8.0	6.7	8.3	8.3	9.0	0.5-0.8	3.1	3.1	4.2	1.6
H10	8.0	10.0	8.3	8.3	9.0	0.7-1.1	3.1	3.1	4.2	2.2
H12	8.0	11.5	8.3	8.3	9.0	0.7-1.1	3.1	3.1	4.2	2.2
J12	10.0	12.2	10.3	10.3	11.0	0.7-1.1	4.5	4.5	4.4	2.2



CONDUCTIVE POLYMER ALUMINUM SOLID CAPACITORS

RATINGS OF AXV Series

Case Code	Rated Voltage (V)	Rated Capacitance(μ F)	ESR(m Ω) (at 100kHz)	Rated Ripple Current(mArms) at 100kHz	Tangent of loss angle	Leakage Current (μ A)
F60	16	68	30	2,200	0.12	300
	10	120	27	2,320	0.12	300
	10	150	27	2,320	0.12	300
	6.3	220	27	2,320	0.12	300
	6.3	330	27	2,320	0.12	415
	4	330	27	2,320	0.12	300
	2.5	390	25	2,410	0.12	300
	2.5	390	15	3,160	0.12	300
H70	16	120	27	2,900	0.12	500
	16	150	22	3,220	0.12	500
	10	270	22	3,220	0.12	500
	6.3	390	22	3,220	0.12	491
	4	560	22	3,220	0.12	500
	2.5	680	20	3,370	0.12	500
H10	16	220	12	5,060	0.12	704
H12	6.3	820	12	4,700	0.15	1,033
	4	560	9	5,380	0.15	500
	4	1,200	12	4,700	0.15	960
	2.5	1,500	10	5,150	0.15	750
J12	2.5	2,700	12	5,080	0.15	1,350