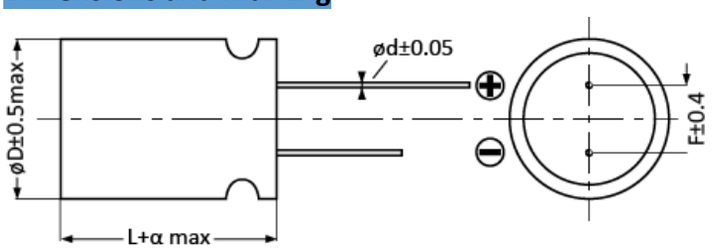
ARMA Series

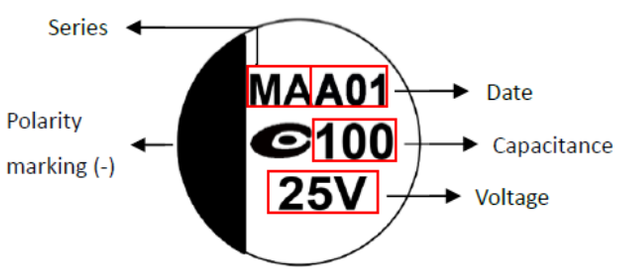
- Standard DIP type
- High reliability and high voltage are realized by hybrid electrolyte
- Rated Voltage:25~80V
- Endurance 10000 hours at 105℃
- RoHS Compliant

Specification

Category Temperature Range	-55~+105℃	Rated Voltage Range	25 to 80Vdc					
Rated Capacitance Range	22 to 470 (μF)	Capacitance Tolerance	±20% (M)					
Surge Voltage	Rated voltage X 1.15	Dissipation Factor (at 20°C 120Hz)	Rated Voltage (V)	25	35	50	63	80
			tan δ(max)	0.14	0.12	0.1	0.08	0.08
Leakage Current	Shall not exceed values shown in standard ratings (at 20°C after 2 mins.)							
Endurance	105°C, 10000 hours, apply the rated ripple current without exceeding the rated voltage							
	Appearance	No significant damage						
	Capacitance Change	≦ ±30% of the initial value						
	DF(tanδ)	≦ 200% of the initial specified value						
	ESR	≦ 200% of the initial specified value						
	Leakage current	≦ The initial specified value						
Damp Heat (Steady State)	60°C, 90% RH, 1000 hours, rated voltage applied							
	Appearance	No significant damage						
	Capacitance Change	≦ ±20% of the initial value						
	DF(tanδ)	≦ 200% of the initial specified value						
	ESR	≦ 200% of the initial specified value						
	Leakage current	≦ The initial specified value						
Shelf Life	After storage for 1,000 hours at 105±2°C with no voltage applied and then being stabilized at 20°C, capacitors shall meet the limits specified in Endurance. (With voltage treatment)							
	Appearance	No significant damage						
	Capacitance Change	≦ ±30% of the initial value						
	DF(tanδ)	≦ 200% of the initial specified value						
	ESR	≦ 200% of the initial specified value						
	Leakage current	≦ The initial specified value						

Dimensions and Marking





Size code	ϕD±0.5 (mm)	L (mm)	α (mm)	ϕd±0.05 (mm)	F±0.4 (mm)
06X8	6.3	8.0	-0.5~1	0.6	2.5
08X8	8.0	8.0	-0.5~1	0.6	3.5
10A0	10.0	10.0	-0.5~1	0.6	5.0
10A2	10.0	12.0	-0.5~1	0.6	5.0

ARMA Series

Product Specifications are subject to change without notice.

AP-CON HYBRID ALUMINUM ELECTROLYTIC CAPACITOR

Standard Ratings

WV/Vdc (SV)	Cap (μF)	Size Code	Leakage Current (μA)	ESR (mΩmax/ 20°C, 100kHz)	Rated Ripple Current (mArms/ 105℃ /100kHz)	Part No.
25 (28.8)	100	06X8	25	30	2,000	250ARMA101M06X8
	220	08X8	55	27	2,300	250ARMA221M08X8
	330	10A0	83	20	2,500	250ARMA331M10A0
	470	10A0	118	20	2,500	250ARMA471M10A0
35 (40.3)	68	06X8	24	35	2,000	350ARMA680M06X8
	150	08X8	53	27	2,300	350ARMA151M08X8
	270	10A0	95	20	2,500	350ARMA271M10A0
	330	10A0	116	20	2,500	350ARMA331M10A0
50 (57.5)	33	06X8	17	40	1,600	500ARMA330M06X8
	68	08X8	34	30	1,800	500ARMA680M08X8
	100	10A0	50	28	2,000	500ARMA101M10A0
	120	10A0	60	28	2,000	500ARMA121M10A0
	150	10A2	75	19	2,300	500ARMA151M10A2
63 (72.5)	22	06X8	14	80	1,500	630ARMA220M06X8
	33	08X8	21	40	1,700	630ARMA330M08X8
	47	08X8	30	40	1,700	630ARMA470M08X8
	56	10A0	35	30	1,800	630ARMA560M10A0
	82	10A0	52	30	1,800	630ARMA820M10A0
	100	10A2	63	22	2,100	630ARMA101M10A2
80 (92)	22	08X8	18	45	1,600	800ARMA220M08X8
	47	10A0	38	36	1,700	800ARMA470M10A0
	56	10A2	45	32	1,800	800ARMA560M10A2

Frequency correction factor of allowable ripple current

Frequency	120Hz≤f<1kHz	1kHZ≤f<10kHz	10kHZ≤f<100kHz	100kHz≤f≤500kHz
Coefficient	0.05	0.3	0.7	1

PRODUCT IDENTIFICATION

250	ARMA	101	M	06X8
Rated Voltage	Product	Capacitance	Cap Tolerance (%)	Size code (øDxL)
250: 25V	Series	101: 100μF	M: ±20%	06X8: 6.3x9.0mm