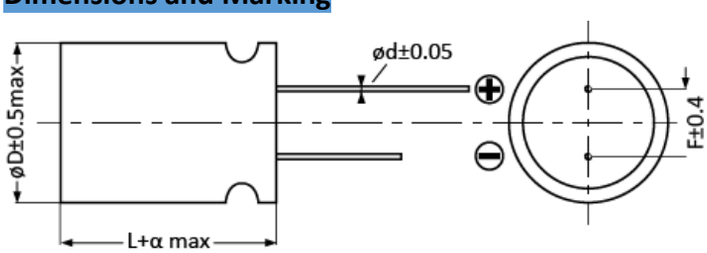
ARME Series

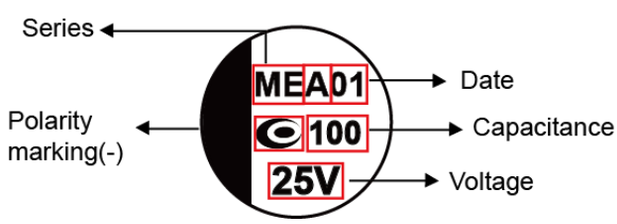
- Standard DIP type
- High reliability and high voltage are realized by hybrid electrolyte
- Rated Voltage:25~80V
- Endurance 4000 hours at 135°C
- RoHS Compliant

Specification

Category Temperature Range	-55~+135°C	Rated Voltage Range	25 to 80Vdc					
Rated Capacitance Range	22 to 1000 (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	135°C, 4000 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 to 95% 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 4,000 hours at 135±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)	H±0.3 (mm)
06X8	6.3	8.0	-0.5~1	0.6	2.5	3.2
08X8	8.0	8.0	-0.5~1	0.6	3.5	3.2
10X9	10.0	9.0	-0.5~1	0.6	5.0	3.2
10A2	10.0	12.0	-0.5~1	0.6	5.0	3.2
10A6	10.0	16.0	-0.5~1	0.6	5.0	3.2

ARME Series

Standard Ratings

WV/Vdc (SV)	Cap (µF)	Size Code	Leakage Current (µA)	tanδ	ESR (mΩmax/ 20˚C, 100k to 300kHz)	Rated Ripple Current (mArms/ 135℃ /100kHz)	Part No.
25 (28.8)	100	06X8	25	0.14	30	1,400	250ARME101M06X8
	150	08X8	37.5	0.14	22	1,800	250ARME151M08X8
	220	08X8	55	0.14	22	1,800	250ARME221M08X8
	270	10X9	67.5	0.14	20	2,200	250ARME271M10X9
	330	10X9	82.5	0.14	20	2,200	250ARME331M10X9
	470	10A2	117.5	0.14	16	2,500	250ARME471M10A2
	560	10X9	140	0.14	20	2,200	250ARME561M10X9
	560	10A6	140	0.14	15	2,900	250ARME561M10A6
	680	10A2	170	0.14	16	2,500	250ARME681M10A2
	820	10A6	205	0.14	11	4,000	250ARME821M10A6
	1000	10A6	250	0.14	11	4,000	250ARME102M10A6
35 (40.3)	68	06X8	23.8	0.12	35	1,400	350ARME680M06X8
	100	08X8	35	0.12	35	1,400	350ARME101M08X8
	150	08X8	52.5	0.12	22	1,800	350ARME151M08X8
	150	10X9	52.5	0.12	22	1,800	350ARME151M10X9
	220	10X9	77	0.12	20	2,200	350ARME221M10X9
	270	10X9	94.5	0.12	20	2,200	350ARME271M10X9
	330	10A2	115.5	0.12	16	2,500	350ARME331M10A2
	470	10A6	164.5	0.12	15	1,100	350ARME471M10A6
50 (57.5)	33	06X8	16.5	0.10	40	1,100	500ARME330M06X8
	47	08X8	23.5	0.10	24	1,500	500ARME470M08X8
	68	08X8	34	0.10	24	1,500	500ARME680M08X8
	100	10X9	50	0.10	22	1,800	500ARME101M10X9
	120	10X9	60	0.10	22	1,800	500ARME121M10X9
	150	10A2	75	0.10	18	2,200	500ARME151M10A2
	180	10A2	90	0.10	16	2,500	500ARME181M10A2
	220	10A6	110	0.10	16	2,500	500ARME221M10A6
	270	10A6	135	0.10	13	3,800	500ARME271M10A6
63 (72.5)	22	06X8	13.9	0.08	80	900	630ARME220M06X8
	33	08X8	20.8	0.08	24	1,500	630ARME330M08X8
	47	08X8	29.6	0.08	24	1,500	630ARME470M08X8
	56	10X9	35.3	0.08	22	1,800	630ARME560M10X9
	68	10X9	42.8	0.08	22	1,800	630ARME680M10X9
	82	10X9	51.7	0.08	22	2,800	630ARME820M10X9
	100	10A2	63	0.08	18	2,200	630ARME101M10A2
	120	10A2	75.6	0.08	18	2,200	630ARME121M10A2
	150	10A6	94.5	0.08	16	2,500	630ARME151M10A6
	180	10A6	113.4	0.08	10	3,800	630ARME181M10A6
80 (92)	22	08X8	17.6	0.08	45	1,200	800ARME220M08X8
	47	10X9	37.6	0.08	35	1,700	800ARME470M10X9

Frequency correction factor of allowable ripple current					
Frequency	120Hz≤f<1kHz	1kHZ≤f<10kHz	10kHZ≤f<50kHz	50kHZ≤f<100kHz	100kHz≤f≤300kHz
Coefficient	0.05	0.3	0.7	0.85	1

PRODUCT IDENTIFICATION

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