Aluminum Electrolytic Type / Radial Lead Type **RoHS compliance**

ME-AX Series

Low Impedance

Long Life

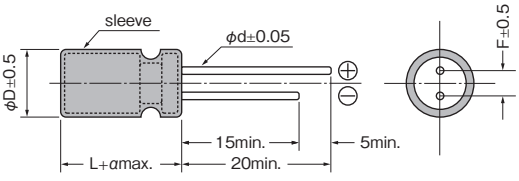
- 105℃ 2,500 to 10,000hours
- Solvent proof (within 5 minutes)

ME-WX (P.88)
Low Impedance ↑
ME-AX ← Long Life ME-CX (P.84)

■ Specifications

Items	Condition		Specifications							
Rated voltage (V)	–		6.3	10	16	25	35	50	63	100
Surge voltage (V)	Room temperature		8.0	13	20	32	44	63	79	125
Category temperature range (℃)	–		−55 to +105							−40 to +105
Capacitance tolerance (%)	120Hz/20℃		M : ±20							
Dissipation Factor (tan δ)	tanδ (max.) 120Hz/20℃		0.22	0.19	016	0.14	0.12	0.10	0.10	0.10
			Exceeding 1,000μF, +0.02 every 1,000μF							
Leakage current (LC)	μA/after 2minutes (max.)		The greater value of either 0.01CV or 3							
Impedance ratio at low temperature	Based on the value at 120Hz, +20℃	−40℃ Z/Z20℃	3	2	2	2	2	2	2	2
		−55℃ Z/Z20℃	4	4	3	3	3	2	2	–
Endurance	105℃ rated voltage applied (With the rated ripple current)	Test	φ5 : 2,500hours, φ6.3 : 3,000hours, φ8×11.5, φ8×12.5 : 3,500hours, φ8×15, φ8×20 : 4,500hours, φ10 : 5,000hours, φ12.5 : 7,000hours, φ16 to φ18 : 10,000hours							
		△C/C	Within ±20% of the initial value							
		tanδ	Less than 200% of the specified value							
		LC	Less than the specified value							

■ Dimensions



α : L<20 α=1.5, L≥20 α=2.0
A pressure relief vent is provided for φD=6.3 or bigger

(Unit : mm)

φD	5	6.3	8	10	12.5	16	18
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φd	0.5	0.5	0.6	0.6	0.6	0.8	0.8

■ Size, Impedance, Rated Ripple Current

V / Items / Case size φD×L (mm)	6.3			10		
	Capacitance (μF)	Impedance (Ω max.) (20℃/100kHz)	Rated ripple current (mArms) (105℃/10k to 200kHz)	Capacitance (μF)	Impedance (Ω max.) (20℃/100kHz)	Rated ripple current (mArms) (105℃/10k to 200kHz)
5×11	150	0.42	190	100	0.42	190
6.3×11	270	0.22	300	220	0.22	300
8×11.5	470	0.11	560	330	0.11	560
8×12.5	560	0.11	570	390	0.11	570
8×15	680	0.085	730	470	0.085	730
8×20	1000	0.069	800	★1 680	0.069	800
10×12.5	820	0.085	800	680	0.085	800
10×16	1200	0.062	1050	820	0.062	1050
10×20	1500	0.044	1250	1200	0.044	1250
10×22	1800	0.039	1450	1500	0.039	1450
12.5×20	2700	0.038	1600	2200	0.038	1600
12.5×25	3900	0.029	1800	2700	0.029	1800
16×25	5600	0.022	2100	3900	0.022	2100
16×31.5	8200	0.018	2350	5600	0.018	2350
16×35	10000	0.018	2550	6800	0.018	2550
18×35.5	12000	0.018	2800	8200	0.018	2800

★1 AXL ★2 AXS

■ Part number

AX
10 ME 470 AX
- AX: Series code
- 470: Rated capacitance
- ME: Type code
- 10: Rated voltage

AXL
16 ME 470 AXL
- AXL: Series code
- 470: Rated capacitance
- ME: Type code
- 16: Rated voltage

AXS
25 ME 470 AXS
- AXS: Series code
- 470: Rated capacitance
- ME: Type code
- 25: Rated voltage

■ Size, Impedance, Rated Ripple Current

V / Items / Case size φD×L(mm)	16			25		
	Capacitance (μF)	Impedance(Ωmax.) (20℃/100kHz)	Rated ripple current(mArms) (105℃/10k to 200kHz)	Capacitance (μF)	Impedance(Ωmax.) (20℃/100kHz)	Rated ripple current(mArms) (105℃/10k to 200kHz)
5×11	68	0.42	190	47	0.42	190
6.3×11	150	0.22	300	100	0.22	300
8×11.5	220	0.11	560	150	0.11	560
8×12.5	270	0.11	570	180	0.11	570
8×15	330	0.085	730	220	0.085	730
8×20	★1 470	0.069	800	330	0.069	800
10×12.5	470	0.085	800	270	0.085	800
10×16	560	0.062	1050	390	0.062	1050
10×16	680	0.062	1050	★2 470	0.068	1050
10×20	820	0.044	1250	560	0.044	1250
10×22	1000	0.039	1450	680	0.039	1450
12.5×20	1200	0.038	1600	1000	0.038	1600
12.5×25	1800	0.029	1800	1200	0.029	1800
16×25	2700	0.022	2100	1800	0.022	2100
16×31.5	3900	0.018	2350	2700	0.018	2350
16×35	4700	0.018	2550	3300	0.018	2550
18×35.5	5600	0.018	2800	3900	0.018	2800

V / Items / Case size φD×L(mm)	35			50		
	Capacitance (μF)	Impedance(Ωmax.) (20℃/100kHz)	Rated ripple current(mArms) (105℃/10k to 200kHz)	Capacitance (μF)	Impedance(Ωmax.) (20℃/100kHz)	Rated ripple current(mArms) (105℃/10k to 200kHz)
5×11	4.7	1.2	115	4.7	2.0	90
5×11	10	0.90	140	10	1.7	110
5×11	22	0.42	190	15	1.2	130
5×11	33	0.42	190	22	0.70	160
6.3×11	47	0.22	300	33	0.43	220
6.3×11	68	0.22	300	47	0.43	220
8×11.5	100	0.11	560	68	0.26	360
8×12.5	120	0.11	570	82	0.24	400
8×15	150	0.085	730	100	0.18	500
8×20	★1 220	0.069	800	150	0.16	650
10×12.5	220	0.085	800	120	0.16	550
10×16	270	0.062	1050	180	0.12	760
10×20	330	0.044	1250	270	0.088	950
10×22	470	0.039	1450	330	0.072	1000
12.5×20	680	0.038	1600	470	0.059	1200
12.5×25	1000	0.029	1800	560	0.045	1400
16×25	1500	0.022	2100	1000	0.039	1750
16×31.5	2200	0.018	2350	1200	0.025	2100
16×35	★1 2200	0.018	2550	1500	0.025	2300
18×35.5	2700	0.018	2800	1800	0.024	2400

V / Items / Case size φD×L(mm)	63			100		
	Capacitance (μF)	Impedance(Ωmax.) (20℃/100kHz)	Rated ripple current(mArms) (105℃/10k to 200kHz)	Capacitance (μF)	Impedance(Ωmax.) (20℃/100kHz)	Rated ripple current(mArms) (105℃/10k to 200kHz)
5×11	18	1.6	140	5.6	2.7	120
6.3×11	33	0.90	200	12	1.4	170
8×11.5	68	0.52	275	22	0.81	230
8×12.5	★1 68	0.47	300	★1 22	0.79	250
8×15	82	0.34	360	27	0.64	295
8×20	★1 120	0.21	510	★1 39	0.36	400
10×12.5	120	0.26	420	39	0.39	360
10×16	150	0.20	525	47	0.35	420
10×20	220	0.15	765	68	0.24	630
10×22	270	0.12	840	82	0.21	700
12.5×20	330	0.10	960	100	0.15	800
12.5×25	470	0.064	1200	150	0.11	920
16×25	680	0.052	1500	220	0.071	1100
16×31.5	1000	0.042	1750	330	0.049	1490
16×35	1200	0.036	1920	390	0.043	1630
18×35.5	1500	0.033	2000	470	0.038	1700

Please refer to page 14 for ripple current frequency coefficients.

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