

ME-WX Series

High Ripple Current

Low Impedance

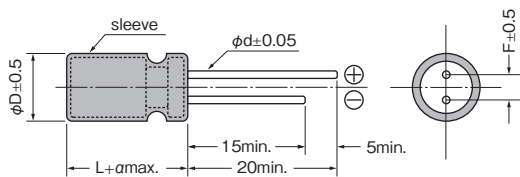


- 105°C 2,000 to 5,000hours
- Non solvent proof

Specifications

Items	Condition	Specifications						
Rated voltage (V)	—	6.3	10	16	25	35	50	
Surge voltage (V)	Room temperature	8.0	13	20	32	44	63	
Category temperature range (°C)	—	-40 to +105						
Capacitance tolerance (%)	120Hz/20°C	M : ±20						
Dissipation Factor(tan δ)	tanδ(max.) 120Hz/20°C	0.22	0.19	0.16	0.14	0.12	0.10	
Leakage current(LC)	μA/after 2minutes (max.), 20°C	Exceeding 1,000μF, +0.02 every 1,000μF						
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C Z/Z _{20°C}	2	2	2	2	2	2
		-40°C Z/Z _{20°C}	3	3	3	3	3	3
	105°C rated voltage applied (With the rated ripple current)	Test	φ5 to φ6.3 : 2,000hours, φ8 : 3,000hours, φ10 : 4,000hours, φ12.5 to φ16 : 5,000hours					
		ΔC/C	Within ±25% of the initial value					
Endurance	tanδ	Less than 200% of the specified value						
		LC	Less than the specified value					

Dimensions



$$\alpha : L < 20 \quad \alpha = 1.5, \quad L \geq 20 \quad \alpha = 2.0$$

A pressure relief vent is provided for φD=6.3 or bigger

(Unit : mm)

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

★φ 12.5×30:φd=0.8

Size, Impedance, Rated Ripple Current

Case size φD×L(mm)	Items	6.3			10		
		Capacitance (μF)	Impedance(Ωmax.) (20°C/100kHz)	Rated ripple current(mArms) (105°C/100kHz)	Capacitance (μF)	Impedance(Ωmax.) (20°C/100kHz)	Rated ripple current(mArms) (105°C/100kHz)
5×11		150	0.30	250	100	0.30	250
6.3×11		330	0.13	405	220	0.13	405
8×11.5		560	0.072	760	470	0.072	760
8×15		820	0.056	995	★1 680	0.056	995
8×20	★1	1200	0.041	1250	★1 1000	0.041	1250
10×12.5		1000	0.053	1030	680	0.053	1030
10×16		1200	0.038	1430	1000	0.038	1430
10×20		1500	0.023	1820	1200	0.023	1820
10×20		2200	0.023	1820	1500	0.023	1820
10×23	★3	2200	0.022	2150	★3 1500	0.022	2150
12.5×20		3300	0.021	2360	2200	0.021	2360
12.5×25		3900	0.018	2770	3300	0.018	2770
12.5×30		4700	0.016	3290	3900	0.016	3290
16×21		5600	0.018	3140	★2 3900	0.018	3140
16×25		6800	0.016	3460	5600	0.016	3460

★1 WXL ★2 WXS ★3 WXV

- ME-SWB
- ME-UZ-SZ
- ME-UAX-SAX
- ME-SWG
- ME-HC
- ME-LS
- ME-CZ
- ME-CA
- ME-CX
- ME-AX
- ME-WX**
- ME-WA
- ME-WL
- ME-WG
- ME-FX
- ME-PX
- ME-HPC-HPD
- ME-FC-FD
- ME-FH
- ME-SWN
- ME-HWN

Size, Impedance, Rated Ripple Current

Case size φD×L(mm)	Items	16			25		
		V	Capacitance (μF)	Impedance(Ωmax.) (20°C/100kHz)	Rated ripple current(mArms) (105°C/100kHz)	Capacitance (μF)	Impedance(Ωmax.) (20°C/100kHz)
5×11		56	0.30	250	47	0.30	250
6.3×11		120	0.13	405	100	0.13	405
8×11.5		330	0.072	760	220	0.072	760
8×15	★1	470	0.056	995	330	0.056	995
8×20	★1	680	0.041	1250	★1 470	0.041	1250
10×12.5		470	0.053	1030	★2 330	0.053	1030
10×16		680	0.038	1430	470	0.038	1430
10×20		1000	0.023	1820	680	0.023	1820
10×20		1200	0.023	1820	820	0.023	1820
10×23	★3	1200	0.022	2150	★3 820	0.022	2150
12.5×20		1500	0.021	2360	1000	0.021	2360
12.5×25		2200	0.018	2770	1500	0.018	2770
12.5×30		2700	0.016	3290	1800	0.016	3290
16×21	★2	2700	0.018	3140	★2 1800	0.018	3140
16×25		3900	0.016	3460	2700	0.016	3460

Case size φD×L(mm)	Items	35			50		
		V	Capacitance (μF)	Impedance(Ωmax.) (20°C/100kHz)	Rated ripple current(mArms) (105°C/100kHz)	Capacitance (μF)	Impedance(Ωmax.) (20°C/100kHz)
5×11		33	0.30	250	22	0.34	238
6.3×11		56	0.13	405	47	0.14	385
8×12.5	★3	150	0.072	760	100	0.074	724
8×15		220	0.056	995	120	0.061	950
8×20	★1	270	0.041	1250	180	0.046	1190
10×12.5	★2	220	0.053	1030	150	0.061	979
10×16		330	0.038	1430	220	0.042	1370
10×20		470	0.023	1820	270	0.030	1580
10×23	★3	560	0.022	2150	330	0.028	1870
12.5×20		680	0.021	2360	470	0.027	2050
12.5×25		1000	0.018	2770	560	0.023	2410
12.5×30		1200	0.016	3290	680	0.021	2860
16×21	★2	1200	0.018	3140	820	0.023	2730
16×25		1800	0.016	3460	1000	0.021	3010

Please refer to page 14 for ripple current frequency coefficients.

★1 WXL ★2 WXS ★3 WXV

Part number
