

## ME-WX Series

Low Impedance  
High Ripple Current

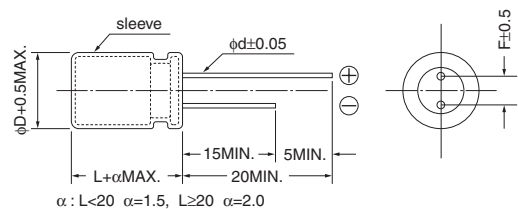


- 105°C, 2000 to 5000hrs.
- Do not clean the capacitors using solvent.

### Specifications

Items	Specifications					
Rated voltage (V)	6.3	10	16	25	35	50
Category temperature range (°C)	-40 to +105					
Capacitance tolerance (%)	±20 (120Hz/20°C)					
Tangent of loss angle (tanδ) (MAX.) (120Hz/20°C)	0.22	0.19	0.16	0.14	0.12	0.10
	When rated capacitance exceeds 1000μF, add 0.02 to the value above for each 1000μF increase.					
Leakage current (L.C.) (μA/after 2min.) (MAX.)	0.01CV					
Impedance (120Hz) ratio at low temperature (MAX.)	Z <sub>-25°C</sub> /Z <sub>20°C</sub>	2	2	2	2	2
	Z <sub>-40°C</sub> /Z <sub>20°C</sub>	3	3	3	3	3
Endurance 105°C	Test	φ5 to φ6.3 : 2000hrs., φ8 : 3000hrs., φ10 to φ12.5 : 4000hrs., φ16 : 5000hrs.				
	ΔC/C	Within ±25% of the initial value				
rated voltage applied (With the rated ripple current)	tanδ	≤ Twice the initial specified value				
	L.C.	≤ The initial specified value				

### Dimensions



A pressure relief vent is attached to products over φD=6.3

(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

\*φ12.5 x 30 : φd=0.8

### Size List, Impedance, Rated Ripple Current

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

\*1 ; Series symbol is WXL

\*2 ; Series symbol is WXS

\*3 ; Series symbol is WXV

## Size List, Impedance, Rated Ripple Current

Case Size φD x L (mm)	Items	16			25		
		Capacitance	Impedance and E.S.R (ΩMAX.)	Ripple current (mAr.m.s.)	Capacitance	Impedance and E.S.R (ΩMAX.)	Ripple current (mAr.m.s.)
		(μF)	(20°C/100kHz)	(105°C/100kHz)	(μF)	(20°C/100kHz)	(105°C/100kHz)
5 x 11		56	0.30	250	47	0.30	250
6.3 x 11		120	0.13	405	100	0.13	405
8 x 11.5		330	0.072	760	220	0.072	760
8 x 15	*1	470	0.056	995	330	0.056	995
8 x 20	*1	680	0.041	1250	*1 470	0.041	1250
10 x 12.5		470	0.053	1030	*2 330	0.053	1030
10 x 16		680	0.038	1430	470	0.038	1430
10 x 20		1000	0.023	1820	680	0.023	1820
10 x 20		1200	0.023	1820	820	0.023	1820
10 x 23	*3	1200	0.022	2150	*3 820	0.022	2150
12.5 x 20		1500	0.021	2360	1000	0.021	2360
12.5 x 25		2200	0.018	2770	1500	0.018	2770
12.5 x 30		2700	0.016	3290	1800	0.016	3290
16 x 21	*2	2700	0.018	3140	*2 1800	0.018	3140
16 x 25		3900	0.016	3460	2700	0.016	3460

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

\*1 ; Series symbol is WXL  
 \*2 ; Series symbol is WXS  
 \*3 ; Series symbol is WXV

Model No.

