



## MV-CX Series

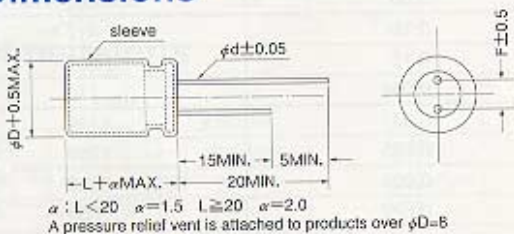
Low impedance, Smaller in size, Long life

MV-CX series is smaller than MV-AX series and low impedance, long life.  
It is suitable for switching power supply, noise limiter etc.  
Solvent proof (within 5 minutes).

### Specifications

Items	Specifications					
Rated voltage (V)	6.3	10	16	25	35	
Operating temperature range (°C)	-55 to +105					
Capacitance tolerance (%)	±20 (120Hz)					
Tangent of loss angle (tan δ) (MAX.)	0.22	0.19	0.16	0.14	0.12	
Leakage current (L.C.) (μA/after 2min.) (MAX.)	0.01CV					
Impedance (120Hz) ratio at low temperature (MAX.)	Z <sub>-40°C</sub> /Z <sub>20°C</sub>	3	2	2	2	2
	Z <sub>-55°C</sub> /Z <sub>20°C</sub>	4	4	3	3	3
High-temperature load 105°C rated voltage applied.	TEST (hrs.)	φ 5 to 6.3 : 2000, φ 8 : 3000, φ 10 : 4000, φ 12.5 : 5000, φ 16 to 18 : 7000				
	ΔC/C	Within ± 25% of the initial value				
	tan δ	≤ Twice the initial standard				
	L.C.	≤ The initial standard				
Other characteristics	Conform to IEC 60384-4					

### Dimensions



	φ D	5	6.3	8	10	12.5	16	18
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5	
φ d	0.5	0.5	0.6	0.6	0.6*	0.8	0.8	

\* φ 12.5×30 : φ d=0.8

### Size List, Impedance, Maximum Permissible Ripple Current

V	6.3			10		
	Capacitance (μF)	Impedance (ΩMAX.) (20°C/100kHz)	Ripple current (mArms) (105°C/10k to 200kHz)	Capacitance (μF)	Impedance (ΩMAX.) (20°C/100kHz)	Ripple current (mArms) (105°C/10k to 200kHz)
5×11	180	0.34	205	150	0.34	205
6.3×11	330	0.17	330	270	0.17	330
6.3×11	390	0.17	330			
8×11.5	680	0.11	580	470	0.11	580
8×11.5				580	0.11	580
8×15	1000	0.080	750	680	0.080	750
8×20	※1 1200	0.060	1000	※1 1000	0.060	1000
8×20	※1 1500	0.060	1000			
10×12.5	1200	0.063	900	820	0.063	900
10×16	1500	0.049	1200	1000	0.049	1200
10×16				1200	0.049	1200
10×20	2200	0.036	1450	1500	0.036	1450
10×22	2700	0.036	1500	1800	0.036	1500
12.5×16	※2 2200	0.049	1400	※2 1800	0.049	1400
12.5×20	3900	0.035	1660	2700	0.035	1660
12.5×25	4700	0.027	2000	3900	0.027	2000
12.5×25	5600	0.027	2000			
12.5×30	※1 6800	0.024	2450	※1 4700	0.024	2450
16×21	※2 5600	0.032	2000	※2 3900	0.032	2000
16×25	6800	0.022	2560	4700	0.022	2560
16×25	8200	0.022	2560	5600	0.022	2560
16×31.5	10000	0.017	3010	6800	0.017	3010
16×31.5				8200	0.017	3010
16×35.5	12000	0.016	3150	10000	0.016	3150
18×21	※2 6800	0.030	2490	※2 5600	0.030	2490
18×25	※2 10000	0.022	2740	※2 6800	0.022	2740
18×30.5	※2 12000	0.017	3330	※2 10000	0.017	3330
18×35.5	15000	0.016	3680	12000	0.016	3680
18×41	18000	0.015	3800	15000	0.015	3800

※1 : Series symbol is CXL, ※2 : Series symbol is CXS

## MV-CX Series

CX Low impedance mini ← AX

Case size (φDXLmm)	16			25		
	Capacitance (μF)	Impedance (ΩMAX.) (20°C/100kHz)	Ripple current (mArms) (105°C/10k to 200kHz)	Capacitance (μF)	Impedance (ΩMAX.) (20°C/100kHz)	Ripple current (mArms) (105°C/10k to 200kHz)
5×11	100	0.34	205	68	0.34	205
6.3×11	180	0.17	330	120	0.17	330
8×11.5	330	0.11	580	220	0.11	580
8×15	470	0.080	750	330	0.080	750
8×20	680	0.060	1000	470	0.060	1000
10×12.5	560	0.063	900	390	0.063	900
10×16	820	0.049	1200	560	0.049	1200
10×20	1000	0.036	1450	680	0.036	1450
10×20				820	0.036	1450
10×22	1200	0.036	1500	1000	0.036	1500
12.5×16	※2 1200	0.049	1400	※2 820	0.049	1400
12.5×20	1500	0.035	1660	1200	0.035	1660
12.5×20	1800	0.035	1660			
12.5×25	2200	0.027	2000			
12.5×25	2700	0.027	2000	1800	0.027	2000
12.5×30	※1 3300	0.024	2450	※1 2200	0.024	2450
16×21	※2 2700	0.032	2000	※2 1800	0.032	2000
16×25	3300	0.022	2560	2700	0.022	2560
16×25	3900	0.022	2560			
16×31.5	4700	0.017	3010	3300	0.017	3010
16×31.5	5600	0.017	3010			
16×35.5	6800	0.016	3150	3900	0.016	3150
18×21	※2 3300	0.030	2490	※2 2200	0.030	2490
18×25	※2 4700	0.022	2740	※2 3300	0.022	2740
18×30.5				※2 3900	0.017	3330
18×35.5	8200	0.016	3680	5600	0.016	3680
18×41	10000	0.015	3800	6800	0.015	3800

Case size (φDXLmm)	35		
	Capacitance (μF)	Impedance (ΩMAX.) (20°C/100kHz)	Ripple current (mArms) (105°C/10k to 200kHz)
5×11	47	0.34	205
6.3×11	100	0.17	330
8×11.5	150	0.11	580
8×15	220	0.080	750
8×20	※1 330	0.060	1000
10×12.5	270	0.063	900
10×16	330	0.049	1200
10×16	390	0.049	1200
10×20	470	0.036	1450
10×20	560	0.036	1450
10×22	680	0.036	1500
12.5×16	※2 560	0.049	1400
12.5×20	820	0.035	1660
12.5×25	1200	0.027	2000
12.5×30	※1 1500	0.024	2450
16×21	※2 1200	0.032	2000
16×25	1800	0.022	2560
16×31.5	2700	0.017	3010
16×35.5	3300	0.016	3150
18×21	※2 1500	0.030	2490
18×25	2200	0.022	2740
18×35.5	3900	0.016	3680
18×41	4700	0.015	3800

※1 ; Series symbol is CXL, ※2 : Series symbol is CXS

Model No. 10MV1000CX

Capacitance symbol  
Rated voltage

※1 10MV1000CXL

Capacitance symbol  
Rated voltage

※2 10MV1800CXS

Capacitance symbol  
Rated voltage