

# ME-CZ Series

Wide Temperature

Small Standard

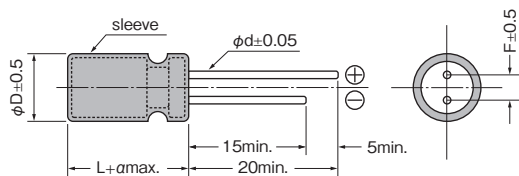


- 105°C 1,000 to 3,000hours
- Solvent proof (within 5 minutes)

## 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 (°C)	—	-55 to +105									
Capacitance tolerance (%)	120Hz/20°C	M : ±20									
Dissipation Factor (tan δ)	tanδ(max.) 120Hz/20°C	0.28	0.24	0.20	0.16	0.14	0.12	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°C	-40°C Z/Z <sub>20°C</sub>	4	4	3	3	2	2	2	2	
		-55°C Z/Z <sub>20°C</sub>	10	8	6	5	4	3	3	3	
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ5 to φ8 : 1,000hours, φ10 : 2,000hours, φ12.5 to φ18 : 3,000hours								
		ΔC/C	Within ±25% of the initial value								
		tanδ	Less than 200% of the specified value								
		LC	Less than the specified value								

## Dimensions


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

 A pressure relief vent is provided for  $\phi D = 6.3$  or bigger

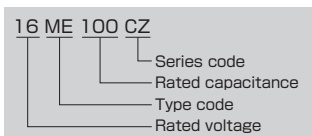
(Unit : mm)

$\phi D$	5	6.3	8	10	12.5	16	18
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
$\phi d$	0.5	0.5	0.6	0.6	0.6	0.8	0.8

## Size, Impedance, Rated Ripple Current

Case size $\phi D \times L$ (mm)	Items	6.3			10		
		Capacitance (μF)	Impedance (Ωmax.) (20°C/100kHz)	Rated ripple current (mA <sub>rms</sub> ) (105°C/100kHz)	Capacitance (μF)	Impedance (Ωmax.) (20°C/100kHz)	Rated ripple current (mA <sub>rms</sub> ) (105°C/100kHz)
5×11		220	1.4	160	100	1.4	150
6.3×11		330	0.58	240	220	0.58	240
6.3×11		470	0.55	250	330	0.55	250
8×11.5		1000	0.26	450	470	0.39	370
10×12.5					1000	0.16	560
10×16		2200	0.12	760			
10×20		3300	0.10	900	2200	0.10	900
12.5×20		4700	0.072	1100	3300	0.074	1100
12.5×25		6800	0.054	1420	4700	0.054	1420
16×25		10000	0.043	1700	6800	0.043	1700
16×31.5					10000	0.035	1950
16×35.5		15000	0.032	2100			
18×35.5					15000	0.028	2400

## Part number



**Size, Impedance, Rated Ripple Current**

Case size φD×L (mm)	Items	16			25		
		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		100	1.4	150	47	1.4	150
6.3×11		220	0.55	240	100	0.60	240
8×11.5		330	0.35	370	220	0.39	370
8×11.5		470	0.28	450	330	0.34	400
10×12.5					470	0.17	560
10×16		1000	0.13	760			
10×20					1000	0.10	900
12.5×20		2200	0.075	1100			
12.5×25		3300	0.054	1320	2200	0.062	1320
16×25		4700	0.043	1600	3300	0.043	1600
16×31.5		6800	0.035	1900	4700	0.035	1900
18×35.5		10000	0.028	2300	6800	0.028	2200

Case size φD×L (mm)	Items	35			50		
		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					2.2	5.5	40
5×11					3.3	4.0	50
5×11					4.7	2.8	80
5×11					10	2.3	90
5×11		33	2.1	120	22	2.2	110
5×11		47	2.1	140	33	2.1	120
6.3×11		100	1.1	180	47	1.1	180
8×11.5		220	0.46	360	100	0.55	310
10×12.5		330	0.26	500	220	0.30	500
10×16		470	0.18	650	330	0.20	650
10×20					470	0.13	800
12.5×20		1000	0.11	900			
12.5×25					1000	0.10	1100
16×25		2200	0.056	1400			
16×31.5					2200	0.055	1650
16×35.5		3300	0.038	1800			
18×35.5		4700 ★	0.035	2000	3300	0.035	2000

★ Available 40V (40ME4700CZ)

Case size φD×L (mm)	Items	63			100		
		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		2.2	8.3	42	2.2	11	42
5×11		3.3	6.0	58	3.3	8.0	58
5×11		4.7	4.2	64	4.7	5.6	64
5×11		10	2.8	90			
5×11		22	2.4	140			
6.3×11		33	1.4	200	10	1.7	108
6.3×11		47	1.3	240			
8×11.5					22	0.83	235
8×12.5		100	0.60	300	33	0.60	300
10×12.5					47	0.39	330
10×16		220	0.22	520			
10×20		330	0.17	765	100	0.24	450
12.5×20		470	0.14	960			
12.5×25					220	0.15	700
16×25		1000	0.065	1100	330	0.090	950
16×30					470	0.085	1100

Please refer to page 14 for ripple current frequency coefficients.

Radial  
Lead Type  
Aluminum Electrolytic  
Capacitors

- 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

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