

ME-CZ Series

Temperature of Wide Range

Smaller in Size Miniature Standard

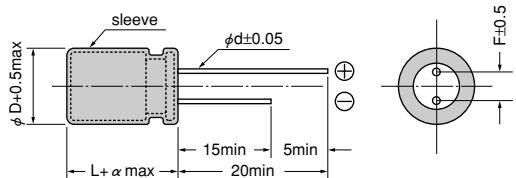


- 105°C, 1,000 to 3,000hrs.
- Solvent proof (within 5 minutes)

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 (tanδ)	120Hz/20°C	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.10		
		When rated capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase.									
Leakage current (LC)	μA/after 2minutes (max)	The greater value of either 0.01CV or 3									
Impedance ratio at low temperature	Based the value at 120Hz, +20°C	-40°C Z _{20°C}	4	4	3	3	2	2	2	2	
		-55°C Z _{20°C}	10	8	6	5	4	3	3	3	
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ5 to φ8 : 1,000hrs., φ10 : 2,000hrs., φ12.5 to φ18 : 3,000hrs.								
		ΔC/C	Within ±25% of the initial value								
		tan δ	≤ 2 times the initial specified value								
		LC	≤ The initial specified value								

Dimensions



α : L<20 α=1.5, L≥20 α=2.0

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

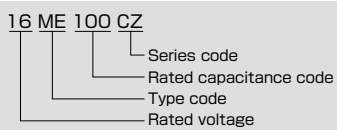
(Unit : mm)

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 List, Impedance, Rated Ripple Current

Case size φDxL(mm)	Items V	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)
5x11		220	1.4	160	100	1.4	150
6.3x11		330	0.58	240	220	0.58	240
6.3x11		470	0.55	250	330	0.55	250
8x11.5		1000	0.26	450	470	0.39	370
10x12.5					1000	0.16	560
10x16		2200	0.12	760			
10x20		3300	0.10	900	2200	0.10	900
12.5x20		4700	0.072	1100	3300	0.074	1100
12.5x25		6800	0.054	1420	4700	0.054	1420
16x25		10000	0.043	1700	6800	0.043	1700
16x31.5					10000	0.035	1950
16x35.5		15000	0.032	2100			
18x35.5					15000	0.028	2400

Model No.



■ Size List, 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 15 for the ripple current frequency coefficient.

- CE-BJ
- CE-BE
- CE-BD
- CE-BSS
- CE-BS
- CE-FE
- CE-FD
- CE-LD
- CE-FSS
- CE-FU
- CE-FS
- CE-FH
- CE-GA
- CE-AX
- CE-KX
- CE-LX
- CE-LS
- CE-LH
- CE-LL
- CE-PC
- CE-PH
- CE-NP
- CE-FN
- ME-SWB
- ME-UZ-SZ
- ME-UAX-SAX
- ME-LS
- ME-HC
- ME-CZ
- ME-CA
- ME-CX
- ME-AX
- ME-WX
- ME-WA
- ME-WL
- ME-SWG
- ME-WG
- ME-PX
- ME-HPC-HPD
- ME-FC-FD
- ME-FAZ
- ME-FH
- ME-SWN
- ME-HWN