SANYO

ME-CZ Series

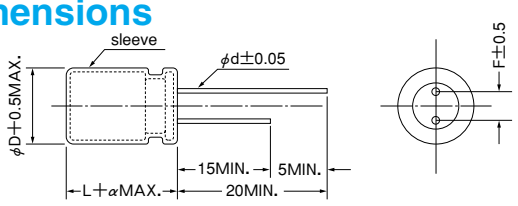
Temperature of wide range, Smaller in size

This series is minature with stable characteristics over wide temperature range (−55 to +105℃).
Solvent proof (within 5 minutes).

Specifications

Items		Specifications							
Rated voltage (V)		6.3	10	16	25	35	50	63	100
Category temperature range (℃)		−55 to +105							
Capacitance tolerance (%)		±20 (120Hz／20℃)							
Tangent of loss angle (tanδ) (MAX.)		0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.10
		When nominal capacitance exceeds 1000 μF, add 0.02 to the value above for each 1000 μF increase. (120Hz／20℃)							
Leakage current (L.C.) (μA／after 2min.) (MAX.)		The greater value of either 0.01CV or 3							
Impedance (120Hz) ratio at low temperature (MAX.)	Z−40℃／Z20℃	4	4	3	3	2	2	2	2
	Z−55℃／Z20℃	10	8	6	5	4	3	3	3
Endurance rated voltage applied.	Test	105℃ 3000hrs. (φD≤8, 1000hrs. φD=10, 2000hrs.)							
	△C／C	Within ±25% of the initial value							
	tan δ	≤ Twice the initial standard							
	L.C.	≤ The initial standard							

Dimensions



A pressure relief vent is attached to products over φD=6.3
α : L<20 α=1.5 L≧20 α=2.0

(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, Maximum Permissible Ripple Current

V	6.3			10		
Case size φD×L (mm)	Capacitance (μF)	Impedance (ΩMAX.) (20℃/100kHz)	Ripple current (mArms) (105℃/100kHz)	Capacitance (μF)	Impedance (ΩMAX.) (20℃/100kHz)	Ripple current (mArms) (105℃/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

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V / Case size φD×L (mm)	16			25		
	Capacitance (μF)	Impedance (ΩMAX.) (20℃/100kHz)	Ripple current (mArms) (105℃/100kHz)	Capacitance (μF)	Impedance (ΩMAX.) (20℃/100kHz)	Ripple current (mArms) (105℃/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

V / Case size φD×L (mm)	35			50		
	Capacitance (μF)	Impedance (ΩMAX.) (20℃/100kHz)	Ripple current (mArms) (105℃/100kHz)	Capacitance (μF)	Impedance (ΩMAX.) (20℃/100kHz)	Ripple current (mArms) (105℃/100kHz)
5×11				0.10	30	10
5×11				0.22	20	10
5×11				0.33	15	10
5×11				0.47	10	20
5×11				1.0	7.0	30
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

V / Case size φD×L (mm)	63			100		
	Capacitance (μF)	Impedance (ΩMAX.) (20℃/100kHz)	Ripple current (mArms) (105℃/100kHz)	Capacitance (μF)	Impedance (ΩMAX.) (20℃/100kHz)	Ripple current (mArms) (105℃/100kHz)
5×11	0.47	15	15	0.47	20	15
5×11	1.0	10.5	30	1.0	14	30
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
16×31.5				470	0.085	1100

Model No. 16 ME 100 CZ

- CZ — Series code
- 100 — Capacitance symbol
- ME — Type code
- 16 — Rated voltage