

MV-CZ Series Temperature of wide range, Smaller in size



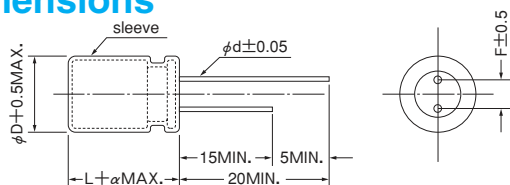
MV-CZ series is smaller in standard size and has stable characteristics at the temperature of wide range.

Solvent proof (within 5 minutes).

Specifications

Items	Specifications						
	6.3	10	16	25	35	50	63
Rated voltage (V)	6.3	10	16	25	35	50	63
Category temperature range (°C)	-55 to +105						
Capacitance tolerance (%)	±20 (120Hz/20°C)						
Tangent of loss angle (tan δ) (MAX.)	0.28	0.24	0.20	0.16	0.14	0.12	0.10
	When nominal capacitance exceeds 1000 µF, add 0.02 to the value above for each 1000 µF increase. (120Hz/20°C)						
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°C/Z20°C	4	4	3	3	2	2
	Z-55°C/Z20°C	10	8	6	5	4	3
Endurance rated voltage applied.	Test	105°C 3000hrs. (φ D≤8, 1000hrs. φ D=10, 2000hrs.)					
	ΔC/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)

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

Size List, Impedance, Maximum Permissible Ripple Current

Case size φDXL (mm)	V	6.3			10		
		Capacitance	Impedance (ΩMAX.)	Ripple current (mArms)	Capacitance	Impedance (ΩMAX.)	Ripple current (mArms)
		(µF)	(20°C/100kHz)	(105°C/100kHz)	(µF)	(20°C/100kHz)	(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

Impedance ; (Ω) MAX. at 100kHz, 20°C

Maximum Permissible Ripple Current ; (mA r.m.s.) at 100kHz, 105°C

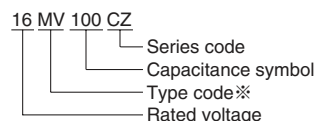
MV-CZ Series

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

V Case size φD×L (mm)	35			50		
	Capacitance (μF)	Impedance (ΩMAX.) (20°C/100kHz)	Ripple current (mArms) (105°C/100kHz)	Capacitance (μF)	Impedance (ΩMAX.) (20°C/100kHz)	Ripple current (mArms) (105°C/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		
	Capacitance (μF)	Impedance (ΩMAX.) (20°C/100kHz)	Ripple current (mArms) (105°C/100kHz)
5×11	0.47	15	15
5×11	1.0	10.5	30
5×11	2.2	8.3	42
5×11	3.3	6.0	58
5×11	4.7	4.2	64
5×11	10	2.8	90
5×11	22	2.4	140
6.3×11	33	1.4	200
6.3×11	47	1.3	240
8×12.5	100	0.60	300
10×16	220	0.22	520
10×20	330	0.17	765
12.5×20	470	0.14	960
16×25	1000	0.065	1100

Model No.



※Type code

Environment-friendly capacitors	Sn-Pb lead finishing
Pb free lead finishing	PVC sleeve
Pb free PET sleeve	
ME	MV

Radial Lead Type