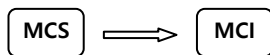


MCI series

RoHS Compliant

- 85°C 2,000Hrs assured.
- Suited for equipment downsizing
- RoHS compliant
- Halogen-free capacitors are also available.



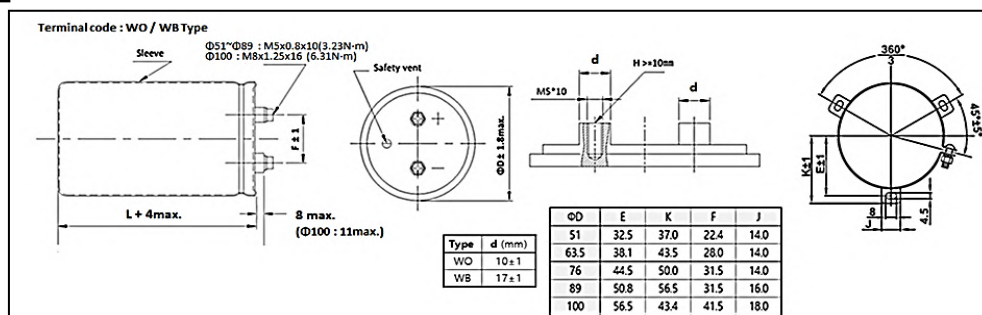
Higher capacitance



Specifications

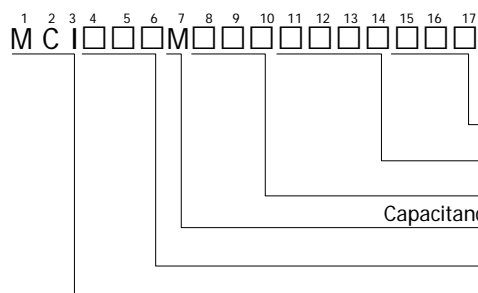
Item	Characteristics
Rated Voltage Range	350 ~ 450 Vdc
Operating Temperature Range	-25 ~ +85°C
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)
Leakage Current	After 5 minutes application of rated voltage, leakage current not more than $I=3\sqrt{CV}$ or 5mA whichever is smaller Where, I:Max. Leakage current(µA), C:Nominal capacitance(µF), V:Rated voltage(Vdc) (at 20°C, 5min)
Dissipation Factor(Tanδ)	The dissipation factor (Tanδ) shall not exceed the values shown in the ratings. (at 20°C, 120Hz)
Temperature characteristics (Max, impedance ratio)	Rated voltage (Vdc) 350 ~ 450
	Z(-25°C)/Z(20°C) 8 (at 120Hz)
Load life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for specified life times at 85°C 5,000hrs. Capacitance change ≤±20% of the initial value Tan δ ≤200% of the initial specified value Leakage current ≤The initial specified value
Shelf life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 85°C without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes at least 24 hours and not more than 48 hours before the measurements. Capacitance change ≤±20% of the initial value Tanδ ≤200% of the initial specified value Leakage current ≤The initial specified value

Dimensions



- Printed white color letter on black sleeve

Code numbering system



Terminal type
Size (76x100: T100) see to p19
Capacitance
Capacitance tolerance(M: ±20%, K: ±10%, V: -10~20%)
Working voltage(ex. 160V→160)
Series name

Ø35	P
Ø51	R
Ø63.5	S
Ø76	T
Ø89	U
Ø100	V



MCI series

Standard Ratings

Note1) Ripple current = Arms/85°C, 120Hz

WV (Vdc)	Cap (µF)	Size ØxL (mm)	Tan δ	Ripple ¹⁾	Code No
350	1,500	51 x 60	0.25	9.3	MCI350□152R60WOR
	1,800	51 x 70	0.25	10.0	MCI350□182R70WOR
	2,200	51 x 80	0.25	11.1	MCI350□222R80WOR
	2,700	51 x 90	0.25	12.2	MCI350□272R90WOR
		63.5 x 65	0.25	11.8	MCI350□272S65WOR
	3,300	51 x 105	0.25	13.8	MCI350□332RA5WOR
		63.5 x 75	0.25	13.0	MCI350□332S75WOR
	3,900	51 x 130	0.25	14.6	MCI350□392RD0WOR
		63.5 x 80	0.25	14.1	MCI350□392S80WOR
	4,700	51 x 140	0.25	15.9	MCI350□472RE0WOR
		63.5 x 90	0.25	15.8	MCI350□472S90WOR
	5,600	76 x 70	0.25	15.7	MCI350□472T70WOR
		63.5 x 100	0.25	17.1	MCI350□562SA0WOR
	6,800	76 x 85	0.25	17.0	MCI350□562T85WOR
		63.5 x 125	0.25	19.1	MCI350□682SC5WOR
	8,200	76 x 95	0.25	18.8	MCI350□682T95WOR
		63.5 x 145	0.25	20.7	MCI350□822SE5WOR
	10,000	76 x 105	0.25	20.2	MCI350□822TA5WOR
		63.5 x 165	0.25	23.2	MCI350□103SG5WOR
		76 x 125	0.25	23.5	MCI350□103TC5WOR
	12,000	90 x 95	0.25	23.5	MCI350□103U95WOR
		76 x 150	0.25	24.0	MCI350□123TF0WOR
90 x 110		0.25	24.1	MCI350□123UB0WOR	
15,000	76 x 190	0.25	28.0	MCI350□153TJ0WOR	
	90 x 140	0.25	29.2	MCI350□153UE0WOR	
18,000	76 x 210	0.25	30.2	MCI350□183TL0WOR	
	90 x 155	0.25	31.1	MCI350□183UF5WOR	
22,000	90 x 190	0.25	35.4	MCI350□223UJ0WOR	
400	1,000	51 x 60	0.25	6.4	MCI400□102R60WOR
	1,200	51 x 65	0.25	7.1	MCI400□122R65WOR
	1,500	51 x 75	0.25	8.1	MCI400□152R75WOR
	1,800	51 x 85	0.25	8.7	MCI400□182R85WOR
		63.5 x 65	0.25	9.1	MCI400□182S65WOR
	2,200	51 x 95	0.25	9.6	MCI400□222R95WOR
		63.5 x 75	0.25	10.1	MCI400□222S75WOR
	2,700	51 x 115	0.25	10.5	MCI400□272RB5WOR
		63.5 x 85	0.25	11.6	MCI400□272S85WOR
	3,300	51 x 145	0.25	12.4	MCI400□332RE5WOR
		63.5 x 95	0.25	13.0	MCI400□332S95WOR
	3,900	51 x 170	0.25	13.8	MCI400□392RH0WOR
		63.5 x 105	0.25	14.2	MCI400□392SA5WOR
	4,700	76 x 85	0.25	14.6	MCI400□392T85WOR
		63.5 x 125	0.25	16.1	MCI400□472SC5WOR
	5,600	76 x 95	0.25	16.2	MCI400□472T95WOR
		63.5 x 140	0.25	16.9	MCI400□562SE0WOR
	6,800	76 x 105	0.25	17.6	MCI400□562TA5WOR
		63.5 x 165	0.25	19.1	MCI400□682SG5WOR
	8,200	63.5 x 210	0.25	21.2	MCI400□822SLOWOR
		76 x 150	0.25	21.2	MCI400□822TF0WOR
		90 x 120	0.25	21.0	MCI400□822UC0WOR
10,000	76 x 170	0.25	22.4	MCI400□103TH0WOR	
	90 x 130	0.25	22.0	MCI400□103UD0WOR	
12,000	76 x 220	0.25	26.0	MCI400□123TM0WOR	
	90 x 155	0.25	26.0	MCI400□123UF5WOR	
15,000	90 x 190	0.25	28.3	MCI400□153UJ0WOR	
18,000	90 x 230	0.25	30.6	MCI400□183UN0WOR	

WV (Vdc)	Cap (µF)	Size ØxL (mm)	Tan δ	Ripple ¹⁾	Code No
450	820	51 x 60	0.25	4.9	MCI450□821R60WOR
	1,000	51 x 70	0.25	5.5	MCI450□102R70WOR
	1,200	51 x 75	0.25	6.0	MCI450□122R75WOR
	1,500	51 x 85	0.25	6.8	MCI450□152R85WOR
		63.5 x 65	0.25	7.9	MCI450□152S65WOR
	1,800	51 x 95	0.25	7.9	MCI450□182R95WOR
		63.5 x 75	0.25	8.9	MCI450□182S75WOR
	2,200	51 x 125	0.25	9.2	MCI450□222RC5WOR
		63.5 x 85	0.25	9.8	MCI450□222S85WOR
	2,700	51 x 145	0.25	10.3	MCI450□272RE5WOR
		76 x 90	0.25	10.5	MCI450□272T90WOR
	3,300	51 x 170	0.25	11.1	MCI450□332RH0WOR
		63.5 x 105	0.25	12.0	MCI450□332SA5WOR
	3,900	76 x 85	0.25	12.6	MCI450□332T85WOR
		63.5 x 125	0.25	13.5	MCI450□392SC5WOR
	4,700	76 x 95	0.25	14.0	MCI450□392T95WOR
		63.5 x 145	0.25	15.2	MCI450□472SE5WOR
	5,600	76 x 105	0.25	15.6	MCI450□472TA5WOR
		63.5 x 165	0.25	17.0	MCI450□562SG5WOR
	6,800	76 x 125	0.25	17.6	MCI450□562TC5WOR
		63.5 x 210	0.25	19.1	MCI450□682SLOWOR
		76 x 150	0.25	19.6	MCI450□682TF0WOR
8,200	90 x 120	0.25	19.5	MCI450□682UC0WOR	
	76 x 170	0.25	20.1	MCI450□822TH0WOR	
8,200	90 x 130	0.25	20.1	MCI450□822UD0WOR	
	76 x 210	0.25	23.0	MCI450□103TC0WOR	
10,000	90 x 155	0.25	22.9	MCI450□103UF5WOR	
	90 x 190	0.25	26.0	MCI450□123UJ0WOR	
15,000	90 x 220	0.25	29.5	MCI450□153UM0WOR	

Rated ripple current multipliers

Frequency (Hz)	50	60	120	1K	10K
Coefficient	0.80	0.82	1.00	1.35	1.40