

WCM series

High ripple RoHS Compliant

- 40°C 1,000,000Times assured.
- For welding machine
- RoHS compliant
- Halogen-free capacitors are also available.



Specifications

Item	Characteristics				
Rated Voltage Range	315, 475Vdc				
Operating Temperature Range	-25 ~ +70°C				
Capacitance Tolerance	-10 ~ +50% (at 20°C, 120Hz)				
Leakage Current	After 5 minutes application of rated voltage, leakage current not more than $I=0.06CV$ 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, capacitance ratio)	<table border="1"> <tr> <td>Rated voltage (Vdc)</td> <td>315, 475</td> </tr> <tr> <td>C(-10°C)/C(20°C)</td> <td>0.8≤</td> </tr> </table> <p>(at 120Hz)</p>	Rated voltage (Vdc)	315, 475	C(-10°C)/C(20°C)	0.8≤
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Load life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for specified charging /discharging times at 40°C. Capacitance change ≤±20% of the initial value Tan δ ≤ 300% of the initial specified value Leakage current ≤200% of 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 70°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 ≤200% of the initial specified value				

Dimensions

Terminal code : WO Type φ D=φ 51 ~φ 100

φ D	E	K	F	J
50	32.5	37.0	22.4	14.0
63.5	38.1	43.5	28.0	14.0
76	44.5	50.0	31.5	14.0
89	50.8	56.5	31.5	16.0
100	56.5	43.4	41.5	18.0

φ 89=M5x0.8x10 (3.23N.m)
 φ 100=M8x1.25x16 (6.31N.m)
 Safety bulb
 φ 51~φ 76 : G=6
 φ 89 : G=4
 φ 100 : G=10

- Printed gold color letter on black sleeve

Standard Ratings

WV (Vdc)	Cap (µF)	Size ØxL(mm)	Tan δ	Code No
315	150	35 x 100	0.10	WCM315□151P100WOR
	330	51 x 100	0.10	WCM315□331R100WOR
475	100	35 x 110	0.10	WCM475□101P110WOR
	225	40 x 110	0.10	WCM475□221Q110WOR