



OCRK Series

Features

- 105°C, 5,000 hours assured
- Ultra low ESR with large permissible ripple current
- RoHS Compliance



Marking color: Blue

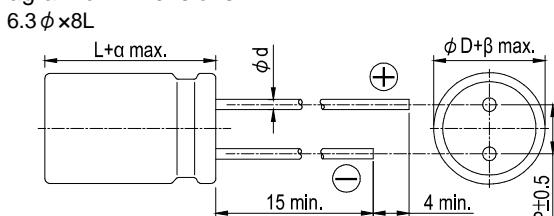
Specifications

Items	Performance											
Category Temperature Range	-55°C ~ +105°C											
Capacitance Tolerance	±20%	(at 120Hz, 20°C)										
Leakage Current (at 20°C)*	Rated voltage applied, after 2 minutes at 20°C. See Standard Ratings											
Tanδ (at 120Hz, 20°C)	See Standard Ratings											
ESR (at 100k~300k Hz, 20°C)	See Standard Ratings											
Endurance	<table border="1"> <tr> <td>Test Time</td><td>5,000 Hrs</td></tr> <tr> <td>Capacitance Change</td><td>Within ±20% of initial value</td></tr> <tr> <td>Tanδ</td><td>Less than 150% of specified value</td></tr> <tr> <td>ESR</td><td>Less than 150% of specified value</td></tr> <tr> <td>Leakage Current</td><td>Within specified value</td></tr> </table>	Test Time	5,000 Hrs	Capacitance Change	Within ±20% of initial value	Tanδ	Less than 150% of specified value	ESR	Less than 150% of specified value	Leakage Current	Within specified value	*The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 5,000 hours at 105°C.
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Capacitance Change	Within ±20% of initial value											
Tanδ	Less than 150% of specified value											
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Test Time	1,000 Hrs											
Capacitance Change	Within ±20% of initial value											
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Leakage Current	Within specified value											
Resistance to Soldering Heat * (Please refer to page 11 for soldering conditions)	<table border="1"> <tr> <td>Capacitance Change</td><td>Within ±10% of initial value</td></tr> <tr> <td>Tanδ</td><td>Within specified value</td></tr> <tr> <td>ESR</td><td>Within specified value</td></tr> <tr> <td>Leakage Current</td><td>Within specified value</td></tr> </table>	Capacitance Change	Within ±10% of initial value	Tanδ	Within specified value	ESR	Within specified value	Leakage Current	Within specified value			
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Ripple Current and Frequency Multipliers	<table border="1"> <tr> <td>Frequency (Hz)</td><td>120 ≤ f < 1k</td><td>1k ≤ f < 10k</td><td>10k ≤ f < 100k</td><td>100k ≤ f < 500k</td></tr> <tr> <td>Multiplier</td><td>0.05</td><td>0.3</td><td>0.7</td><td>1.0</td></tr> </table>	Frequency (Hz)	120 ≤ f < 1k	1k ≤ f < 10k	10k ≤ f < 100k	100k ≤ f < 500k	Multiplier	0.05	0.3	0.7	1.0	
Frequency (Hz)	120 ≤ f < 1k	1k ≤ f < 10k	10k ≤ f < 100k	100k ≤ f < 500k								
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* For any doubt about measured values, measure the leakage current again after the following voltage treatment.

Voltage treatment: DC rated voltage is applied to the capacitors for 2 hours at 105 °C.

Diagram of Dimensions

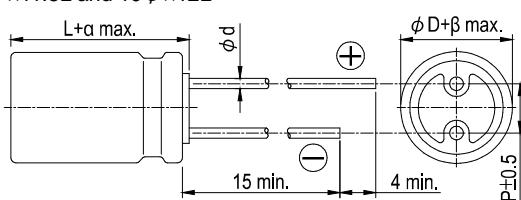


Lead Spacing and Diameter

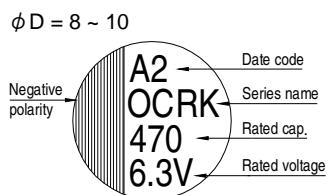
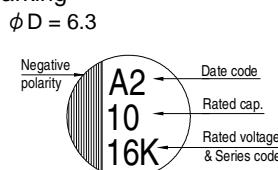
Unit: mm

φ D	6.3	8	10
L	8	11.5	12
P	2.5	3.5	5.0
φ d	0.6		
α	1.0		
β	0.5		

8φ x 11.5L and 10φ x 12L



Marking





Standard Ratings

Dimension: $\phi D \times L$ (mm)

Ripple Current: mA/rms at 100k Hz, 105°C

Rated Volt. (V)	Surge Voltage (V)	Capacitance (μ F)	Size $\phi D \times L$ (mm)	Tan δ (120Hz, 20°C)	L C (μ A)	E S R (m Ω /at 100k ~ 300k Hz, 20°C max.)	Rated R. C. (mA/rms at 100k Hz, 105°C)
2.5V (0E)	2.9	330	6.3 x 8	0.10	500	7	5,600
		470	6.3 x 8	0.10	500	7	5,600
		560	6.3 x 8	0.10	500	7	5,600
		820	6.3 x 8	0.10	500	7	5,600
4V (0G)	4.6	560	6.3 x 8	0.10	500	7	5,000
6.3V (0J)	7.2	390	8 x 11.5	0.15	491	15	4,210
		470	6.3 x 8	0.10	592	8	4,700
			8 x 11.5	0.15	592	15	4,210
		560	6.3 x 8	0.10	706	8	4,700
10V (1A)	12.0	820	10 x 12	0.15	1,033	12	4,360
		330	8 x 11.5	0.12	660	17	3,950
		560	10 x 12	0.12	1,360	16	4,720
16V (1C)	18.0	180	8 x 11.5	0.12	576	20	3,640
		270	6.3 x 8	0.12	864	15	3,800
		330	10 x 12	0.12	1,056	16	4,720
20V (1D)	23.0	100	8 x 11.5	0.12	400	28	2,300
		330	10 x 12	0.12	1,320	26	2,800
25V (1E)	29.0	100	8 x 11.5	0.12	500	28	2,200
		270	10 x 12	0.12	1,350	27	2,700
35V (1V)	40.0	68	8 x 11.5	0.12	476	29	2,200
		150	10 x 12	0.12	1,050	28	2,600

Part Numbering System

OCRK Series	470 μ F	$\pm 20\%$	6.3V	Bulk Package	Gas Type	$8 \phi \times 11.5L$	Pb-free and PET coating case
ORK	471	M	0J	BK	-	0811	Lead Wire and Coating Type

Series Name

Capacitance

Capacitance Tolerance

Rated Voltage

Lead Configuration & Package

Rubber Type

Case Size

Note: For more details, please refer to "Part Numbering System (Radial Type)" on page 13.

Данный компонент на территории Российской Федерации**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибуторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ Р В 0015-002 и ЭС РД 009

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