

# **OCRK Series**

### Features

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



Marking color: Blue

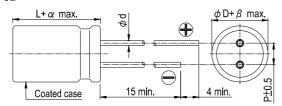
## Specifications

Specifications									
Items	Performance								
Category Temperature Range	-55°C ~ +105°C								
Capacitance Tolerance	± 20% (at 120 Hz, 2								
Leakage Current (at 20°C)*	Rated voltage applied, after 2 minutes at 20°C. See Standard Ratings								
Tanδ (at 120 Hz, 20°C)	See Standard Ratings								
ESR (at 100k~300k Hz, 20°C)	See Standard Ratings								
Endurance	*The above specifica hours at 105°C.	Test Time Capacitance Change Tanō ESR Leakage Current tions shall be satisfied wher	Within ± 2 Less than 150 Less than 150 Within s	,000 Hrs 0% of initial value 0% of specified value 0% of specified value specified value pred to 20°C after the r	ated voltage applied f	or 5,000			
Moisture Resistance	*The above specifica RH for 1,000 hours	ecting them at 60°C, 9	0 ~ 95%						
Resistance to Soldering Heat * (Please refer to page 18 for soldering conditions)		Capacitance Change Tanō ESR Leakage Current	Within ± 1 Within : Within :						
Ripple Current and Frequency Multipliers	Frequenc Multipl	* ` '	1k ≤ f < 10k 0.3	10k ≤ f < 100k 0.7	100k ≤ f < 500k 1.0				

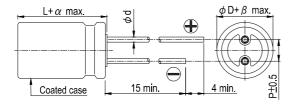
<sup>\*</sup> For any doubt about measured values, measure the leakage current again after the following voltage treatment. Voltage treatment: DC rated voltage is applied to the capacitors for 2 hours at 105 °C.

### Diagram of Dimensions

 $6.3 \phi \times 8L$ 



 $8\phi \times 11.5L$  and  $10\phi \times 12L$ 

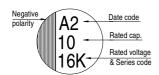


### Lead Spacing and Diameter Unit: mm

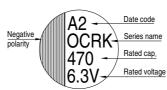
	3					
φD	6.3	8	10			
L	8	11.5	12			
Р	2.5	3.5	5.0			
$\phi$ d	0.6					
α	1.0					
β	0.5					



Marking  $\phi D = 6.3$ 



 $\phi D = 8 \sim 10$ 



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

Standard Ratings Ripple Current: mA/rms at 100k Hz, 109							
Rated Volt. (V)	Surge Voltage (V)	Capacitance (µF)	Size $\phi$ D×L(mm)	Tanδ (120 Hz, 20°C)	L C (µA)	E S R (mΩ/at 100k ~ 300k Hz, 20°C max.)	Rated R. C. (mA/rms at 100k Hz, 105°C)
		330	- 6.3 × 8	0.10	500	7	5,600
2.5V (0E)	2.9	470					
2.5V (UE)	2.9	560					
		820					
4V (0G)	4.6	560	6.3 × 8	0.10	500	7	5,000
6.3V (0J)	7.2	390	8 × 11.5	0.15	491	15	4,210
		470	6.3 × 8	0.10	592	8	4,700
			8 × 11.5	0.15	592	15	4,210
		560	6.3 × 8	0.10	706	8	4,700
		820	10 × 12	0.15	1,033	12	4,360
10V (1A)	12.9	330	8 × 11.5	0.12	660	17	3,950
100 (1A)		560	10 × 12	0.12	1,360	16	4,720
	18.0	180	8 × 11.5	0.12	576	20	3,640
16V (1C)		270	6.3 × 8		864	15	3,800
		330	10 × 12		1,056	16	4,720
20V (1D)	23.0	100	8 × 11.5	0.12	400	28	2,300
20V (ID)		330	10 × 12	0.12	1,320	26	2,800
25V (1E)	29.0	100	8 × 11.5	0.12	500	28	2,200
		270	10 × 12	0.12	1,350	27	2,700
35V (1V)	40.0	68	8 × 11.5	0.12	476	29	2,200
		150	10 × 12	0.12	1,050	28	2,600

Part Numbering System

Gas General **OCRK Series** 470µF ± 20% 6.3V Bulk Package 8φ×11.5L Type Purpose **ORK** <u>471</u> M <u>0J</u> <u>BK</u> <u>0811</u> Rated Lead Configuration Capacitance Rubber Series Name Capacitance Case Size Application and Package Tolerance Voltage Type

Note: For more details, please refer to "Part Numbering System" on page 20.