

# **OCRK Series**

### Features

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



Marking color: Blue

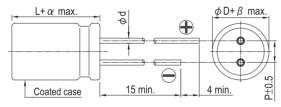
#### Specifications

Specifications									
Items	Performance								
Category Temperature Range	-55°C ~ +105°C								
Capacitance Tolerance	±20% (at 120 Hz, 20°C)								
Leakage Current (at 20°C)*	Rated voltage applied, after 2 minutes at 20°C. See Standard Ratings								
Tanō (at 120 Hz, 20°C)	See Standard Ratings								
ESR (at 100k~300k Hz, 20°C)	See Standard Ratings								
Endurance	*The above specifi hours at 105°C.	Le	Test Time acitance Change Tanō ESR eakage Current all be satisfied when the	Within ±20 Less than 150 Less than 150 Within s	000 Hrs 1% of initial value 1% of specified value 1% of specified value 19 of specified value 19 specified value 19 ored to 20°C after the recognition	rated voltage applied for 5,000			
Moisture Resistance	· ·	Le cations sh		Within ±20 Less than 150 Less than 150 Within s	,	ecting them at 60°C, 90 ~ 95%			
Resistance to Soldering Heat * (Please refer to page 18 for soldering conditions)		Сар	acitance Change Tanō ESR eakage Current	Within ±10 Within s Within s Within s					
Ripple Current and Frequency Multipliers	· ·	ncy (Hz)	120 ≤ f < 1k 0.05	1k ≤ f < 10k 0.3	10k ≤ f < 100k 0.7	100k ≤ f < 500k 1.0			

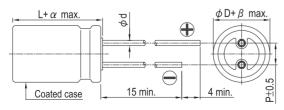
<sup>°</sup> For any doubt about measured values, measure the leakage current again after the following voltage treatment. Voltage treatment: DC rated voltage is applied to the capacitors for 2 hours at 105 ℃.

### Diagram of Dimensions

 $6.3 \phi \times 8L$ 



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

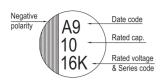


## Lead Spacing and Diameter Unit: mm

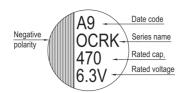
$\phi$ D	6.3	8	10			
L	8	11.5	12			
Р	2.5	3.5	5.0			
$\phi$ d	0.6					
α	1.0					
β	0.5					



Marking  $\phi D = 6.3$ 



 $\phi D = 8 \sim 10$ 



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

Standard R	Standard Ratings Ripple Current: mA/rms at 100k Hz, 10								
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		0.10	500	7	5,600		
2.5V (0E) 2.9	2.0	470	6.3 × 8						
	2.9	560	0.5 ^ 6						
		820							
4V (0G)	4.6	560	6.3 × 8	0.10	500	7	5,000		
		390	8 × 11.5	0.15	491	15	4,210		
		470	6.3 × 8	0.10	592	8	4,700		
6.3V (0J)	7.2		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		
10V (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		
201/ (1D)	23.0	100	8 × 11.5	0.12	400	28	2,300		
20V (1D)		330	10 × 12	0.12	1,320	26	2,800		
251/(45)	29.0	100	8 × 11.5	0.12	500	28	2,200		
25V (1E)		270	10 × 12	0.12	1,350	27	2,700		
25)//4)//	40.0	68	8 × 11.5	0.12	476	29	2,200		
35V (1V)		150	10 × 12	0.12	1,050	28	2,600		

Part Numbering System

General Gas **OCRK Series** 470µF ±20% 6.3V **Bulk Package** 8 φ ×11.5L Type Purpose <u>47</u>1 **ORK** M <u>0J</u> BK 0811

Capacitance Rated Lead Configuration Rubber Series Name Capacitance Case Size Application Tolerance and Package Voltage Type

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