

# **OCRU Series**

## Features

- 125°C, 1000 ~ 2,000 hours assured
- · Ultra low ESR with large permissible ripple current
- · RoHS compliance



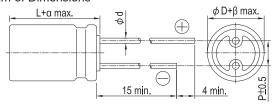
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#### **Specifications**

Specifications									
Items	Performance								
Category Temperature Range	-55°C ∼+125°C								
Capacitance Tolerance		±20%							
Leakage Current (at 20°C)*	±20% (at 120 Hz, 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	Test Time Capacitance Change Tanō ESR Leakage Current ations shall be satisfied when	2,000 Hr Within ±20 Less than 200 Less than 200 Within s	rs for 2.5 ~ 4V; rs for 6.3~ 20V % of initial value % of specified value % of specified value pecified value precified value ored to 20°C after the	rated voltage applied for				
Moisture Resistance	* The above specifica RH for 1,000 hours	jecting them at 60°C, 90 ∼ 95%							
Resistance to Soldering Heat * (Please refer to page 11 for soldering conditions)		Capacitance Change Tanō ESR Leakage Current	Within ±10 Within s Within s						
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

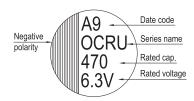


# Lead Spacing and Diameter

Load opaoing and Blameter					
$\phi$ D	8	10			
L	11.5	12			
Р	3.5	5.0			
$\phi$ d	0.6				
α	1.0				
β	0.5				

Unit: mm

## Marking





Dimension:  $\phi D \times L(mm)$ Ripple Current: mA/rms at 100k Hz

Coating Type

Standard Ratings

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Rated Volt.	Surge Voltage	Capacitance	Size	Tanδ	LC	ESR	Rated R. C.(mA/rms at 100k Hz)		
(V)	(V)	(µF)	$\phi$ D×L(mm)	(120 Hz, 20°C)	(µA)	(mΩ/at 100k ~ 300k Hz, 20°C max.)	$T \le 105^{\circ}C$	$105^{\circ}\text{C} < \text{T} \leq 125^{\circ}\text{C}$	
2.5V (0E)	2.9	680	8 × 11.5	0.18	340	13	4,520	1,430	
		1,200	10 × 12	0.18	600	13	5,440	1,721	
4V (0G)	4.6	560	8 × 11.5	0.18	448	13	4,520	1,430	
		1,200	10 × 12	0.18	960	12	5,440	1,721	
6.3V (0J)	7.2	470	8 × 11.5	0.15	592	15	4,210	1,332	
		820	10 × 12	0.15	1,033	12	5,440	1,721	
10V (1A)	12.0	330	8 × 11.5	0.12	660	16	3,950	1,250	
		560	10 × 12	0.12	1,120	13	5,230	1,655	
16V (1C)	18.0	180	8 × 11.5	0.12	576	18	3,640	1,151	
		330	10 × 12	0.12	1,056	16	4,720	1,493	
20V (1D)	23.0	100	8 × 11.5	0.15	400	24	3,320	1,050	
		150	10 × 12	0.15	600	20	4,320	1,367	

Part Numbering System

Pb-free and PET Gas OCRU Series 470µF ±20% 6.3V Bulk Package 8φ×11.5L Type coating case <u>471</u> <u>0J</u> <u>ORU</u> M <u>BK</u> 0811 Capacitance Rated Lead Configuration Rubber Lead Wire and Series Name Capacitance Case Size

and Package

Туре

Voltage

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

Tolerance