

OCRU Series

Features

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



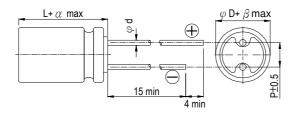
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Specifications

Items	Performance							
Category Temperature Range	-55°C ~ +125°C							
Capacitance Tolerance	±20%							
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							
			Test Time		rs for 2.5 ~ 4V; rs for 6.3~ 20V			
		Capa	citance Change	Within ±20	% of initial value			
Endurance			Tanδ	Less than 200	% of specified value			
			ESR	Less than 200	% of specified value			
		Lea	akage Current	Within s	pecified value			
	* The above Spe specified hours		all be satisfied when	the capacitors are rest	ored to 20°C after the	rated volt	age applied for	
Moisture Resistance			Test Time	1,000 Hrs Within ±20% of initial value				
		Capa	citance Change					
			Tanō	Less than 150% of specified value				
			ESR	Less than 150% of specified value				
		Lea	Leakage Current Within specified value					
	* The above Specifications shall be satisfied when the capacitors are restored to 20°C after subjecting them at 60°C, 90 to 95% RH for 1,000 hours. Leakage current should be tested voltage treatment*.							
	Capacitance Change Within ±10% of initial value							
Resistance to Soldering Heat * (Please refer to page 10 for soldering conditions)		Tanō		Less than 130% of specified value				
			ESR	Less than 130% of specified value				
		Leakage Current		Within specified value				
Ripple Current &	Frequ	iency (Hz)	120 ≦ f < 1k	1k ≦ f < 10k	10k ≦ f < 100k	100k	≦ f < 500k	
Frequency Multipliers	M	ultiplier	0.05	0.3	0.7 1.0		1.0	

^{*} 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



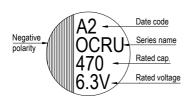
Lead Spacing and Diameter						
φD	8	10				
L	11.5	12				
Р	3.5	5.0				
φd	0.	.6				

1.0

β

Unit: mm

Marking





Standard Ratings

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

Ripple Current: mA/rms at 100k Hz

W. V. (V)	Surge Voltage	Capacitance	Size ϕ D×L(mm)	Tanδ (120Hz, 20°C)	L C (µA)	ESR (mΩ/at 100k ~ 300k Hz, 20°C Max)	Rated R. C.(mA/rms at 100k Hz)	
	(V)	(μF)					T ≤ 105°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

OCRU series 470 μ F ±20% 6.3V Bulk Package Gas $8 \phi \times 11.5$ L Pb-free and PET coating case

ORU <u>471</u> <u>0J</u> 0811 M <u>BK</u> Capacitance Tolerance Rubber Lead Wire and Rated Lead Configuration Capacitance Case Size Voltage & Package Type Coating Type

Note: For more details, please refer to "Part Numbering System (Radial Type)" on page 10.