

OVJ Series

Features

- 105°C, 15,000 hours assured
- · Ultra low ESR, solid capacitors of SMD type
- · RoHS Compliance

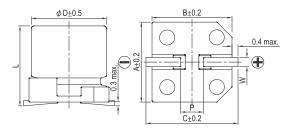
Marking color: Blue

Specifications

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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						
Tanδ (at120 Hz, 20°C)	See Standard Ratings See Standard Ratings						
ESR (at 100k ~ 300k Hz, 20°C)	See Standard Ratings						
		Test Time	15	5,000 Hrs			
Endurance		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 15,000 hours at 105°C.						
	Hours at 105 C.						
		Test Time	1,000 Hrs				
Moisture Resistance		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 subjecting them at 60°C, 90 ~ 95% RH for 1,000 hours. Leakage current should be tested after voltage treatment*.						
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Resistance to Soldering Heat * (Please refer to page 26 for reflow soldering conditions)		Capacitance Change	Within ±10% of initial value				
		Tanδ	Within specified value				
		ESR	Within specified value				
		Leakage Current	Within specified value				
<u> </u>							
Ripple Current and Frequency Multipliers	Frequency	/ (Hz) 120 ≤ f < 1k	1k ≤ f < 10k	10k ≤ f < 100k	100k ≤ f < 500k		
	Multipli	ier 0.05	0.3	0.7	1.0		

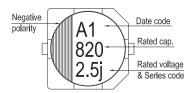
^{*} For any doubt about measured values, measure the leakage current again after the following voltage treatment. Voltage treatment: DC rated voltage is applied to the capacitors for 2 hours at 105°C.

Diagram of Dimensions



Lead Spacing and Diameter					Unit: mm		
ϕ D	L	Α	В	С	W	P ± 0.2	
6.3	7.7 ± 0.3	6.6	6.6	7.2	0.5 ~ 0.8	2.0	
6.3	9.5 ± 0.5	6.6	6.6	7.2	0.5 ~ 0.8	2.0	

Marking





OVJ

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

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

Rated Volt. (V)	Surge Voltage (V)	Capacitance (µF)	Size ϕ D×L(mm)	Tanδ (120 Hz, 20°C)	L C (µA)	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		820	6.3 × 7.7		1,020	7	5,000
	620	6.3 × 9.5	0.12	1,020			
	2.9	1,000	6.3 × 9.5	0.12	1,250	10	4,300
	1,200	6.3 × 9.5		1,500			
6.3V (0J) 7.2	560	6.3 × 7.7	0.12	1,760	8	5,000	
		6.3 × 9.5	0.12	1,760	10	4,300	
10V(1A) 12.0	390	6.3 × 7.7	0.12	1,950	13	4,460	
		6.3 × 9.5	0.12	1,950	13	4,000	
16V(1C) 18.0	270	6.3 × 7.7	0.12	864	13	4,460	
		6.3 × 9.5	0.12	864	16	3,500	
20V(1D) 23.0	22.0	23.0 150	6.3 × 7.7	0.12	600	18	3,790
	23.0		6.3 × 9.5	0.12	600	18	3,200
25V(1E)	29.0	82	6.3 × 7.7	0.12	410	28	3,040
			6.3 × 9.5	0.12	410	28	3,000

Part Numbering System

OVJ Series 820 μ F ±20% 2.5V Carrier Tape 6.3 ϕ ×9.5L Pb-free and PET coating case

OVJ 821 M 0E <u>TR</u> 0610 Capacitance Tolerance Lead Wire and Rated Package Terminal Capacitance Case size Voltage Type Туре Coating Type

Note: For more details, please refer to "Part Numbering System (SMD Type)" on page 15.