

# **OVH Series**

#### Features

- 105°C, 2,000 hours assured
- · Ultra low ESR, solid capacitors of SMD type
- · RoHS Compliance



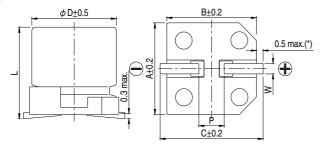
Marking color: Blue

### 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					
Tanδ (at 120 Hz, 20°C)	See Standard Ratings					
ESR (at 100k ~ 300k Hz, 20°C)	See Standard Ratings					
Endurance	* The above specificat hours at 105°C.	Test Time Capacitance Change Tanō ESR Leakage Current tions shall be satisfied when the	Within ±20 Less than 150 Less than 150 Within s	000 Hrs % of initial value % of specified value % of specified value pecified value red to 20°C after the ra	ated voltage applied for 2,000	
Moisture Resistance		Test Time Capacitance Change Tanō ESR Leakage Current tions shall be satisfied when tl	Within ±20 Less than 150 Less than 150 Within s he capacitors are resto		ecting them at 60°C, 90 ~ 95%	
Resistance to Soldering Heat * (Please refer to page 26 for reflow soldering conditions)		Capacitance Change Tanō ESR Leakage Current	Within ±10% of initial value Within specified value Within specified value Within specified value			
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

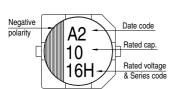


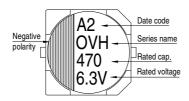
Lead Spacing and Diameter						Jnit: mm
$\phi$ D	L	Α	В	С	W	P ± 0.2
5	$5.8 \pm 0.3$	5.3	5.3	5.9	0.5 ~ 0.8	1.5
6.3	4.4 ± 0.2	6.6	6.6	7.2	0.5 ~ 0.8	2.0
6.3	5.9 + 0.1 / -0.3	6.6	6.6	7.2	0.5 ~ 0.8	2.0
6.3	9.5 ± 0.5	6.6	6.6	7.2	0.5 ~ 0.8	2.0
8	$6.7 \pm 0.3$	8.3	8.3	9.0	0.7 ~ 1.1	3.1
10	$7.7 \pm 0.3$	10.3	10.3	11.0	0.7 ~ 1.3	4.7
10	9.9 + 0.1 / -0.3	10.3	10.3	11.0	0.7 ~ 1.3	4.7

(\*): For  $5 \sim 6.3 \phi$  is 0.4 max.

## Marking

$$\phi$$
 D = 5  $\sim$  6.3





 $\phi D = 8 \sim 10$ 



Standard Ratings

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

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

Rated Volt.	Surge Voltage	Capacitance	Size	Tanō	LC	ESR	Rated R. C.
(V)	(V)	(μF)	φD×L(mm)	(120 Hz, 20°C)	(µA)	(mΩ/at 100k ~ 300k Hz, 20°C max.)	(mA/rms at 100k Hz, 105°C)
2V (0D)	2.3	1,200	6.3 × 5.9	0.12	500	8	5,230
	270	5 × 5.8		500	10	3,860	
	330	5 × 5.8			10	3,860	
		6.3 × 4.4			14	3,180	
		390	5 × 5.8		700		3,860
2.5V (0E)	2.9		6.3 × 5.9	0.12	293	10	3,900
2.3V (UL)	2.5	560	6.3 × 5.9	0.12	700		3,900
			8 × 6.7		420		4,200
		680	8 × 6.7		510	9	4,500
		1,200	10 × 7.7		900		5,000
		2,200	10 × 9.9		1,650	8	6,000
		330	6.3 × 5.9	0.12	396	10	3,900
		470	8 × 6.7		564	9	4,500
4V (0G)	4V (0G) 4.6	560	8 × 6.7		894		4,500
		1,000	10 × 7.7		1,200		5,000
		1,800	10 × 9.9		2,160	8	6,000
		150	5 × 5.8		500	12	3,520
		180	5 × 5.8				3,150
		220	5 × 5.8			15	3,150
			6.3 × 4.4				3,180
6.3V (0J)	7.2		6.3 × 5.9	0.12	416	10	3,900
		330	8 × 6.7		624		4,500
		390	8 × 6.7		737	9	4,500
		820	10 × 7.7		1,550		5,000
	Ī	1,500	10 × 9.9		2,835	8	6,000
10V (1A)	12.8	220	6.3 × 5.9	0.12	500	20	2,700
16V (1C)	18.0	180	6.3 × 9.5	0.12	576	11	4,460

Part Numbering System

OVH Series 820 $\mu$ F ±20% 6.3V Carrier Tape 10 $\phi \times 7.7$ L Pb-free and PET coating case

OVH821MOJTR-1008Series NameCapacitanceCapacitanceRated VoltagePackage TypeTerminal TypeCase sizeLead Wire and Coating Type

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