

OVH Series

Features

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

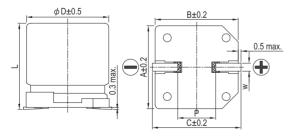


Marking color: Blue

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 See Standard Ratings						
Tanδ (at 120 Hz, 20°C)	See Standard Ratings	3					
ESR (at 100k ~ 300k Hz, 20°C)	See Standard Ratings						
Endurance	* The above specifica hours at 105°C.	Test Time Capacitance Change Tanō ESR Leakage Current tions shall be satisfied when	Within ±20 Less than 150 Less than 150 Within s	000 Hrs 9% of initial value 9% of specified value 9% of specified value specified value pred to 20°C after the r	rated voltage applied for 2,000		
Moisture Resistance		Test Time Capacitance Change Tanō ESR Leakage Current tions shall be satisfied when the company to the company	Within ±20 Less than 150 Less than 150 Within s the capacitors are resto		ecting them at 60°C, 90 ~ 95%		
Resistance to Soldering Heat * (Please refer to page 15 for reflow soldering conditions)		Capacitance Change Tanδ ESR Leakage Current	Within s	0% of initial value specified value specified value specified value			
Ripple Current and Frequency Multipliers	Frequenc Multip		1k ≤ f < 10k 0.3	10k ≤ f < 100k 0.7	100k ≤ f < 500k 1.0		

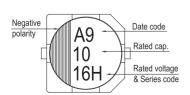
^{*} For any doubt about measured values, measure the leakage current again after the following voltage treatment. Voltage treatment: DC rated voltage is applied to the capacitors for 2 hours at 105 °C.

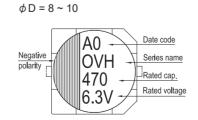
Diagram of Dimensions



Lea	d Sp	pacing and Dian	neter			L	Jnit: mm
ø	b D	L	Α	В	С	W	P ± 0.2
	5	5.8 ± 0.3	5.3	5.3	5.9	0.5 ~ 0.8	1.5
6	6.3	4.4 ± 0.2	6.6	6.6	7.2	0.5 ~ 0.8	2.0
6	6.3	5.9 + 0.1 / -0.3	6.6	6.6	7.2	0.5 ~ 0.8	2.0
6	3.3	9.5 ± 0.5	6.6	6.6	7.2	0.5 ~ 0.8	2.0
	8	6.7 ± 0.3	8.3	8.3	9.0	0.7 ~ 1.1	3.1
1	10	7.7 ± 0.3	10.3	10.3	11.0	0.7 ~ 1.3	4.7
1	10	9.9 + 0.1 / -0.3	10.3	10.3	11.0	0.7 ~ 1.3	4.7

Marking $\phi D = 5 \sim 6.3$





OVH

Standard Ratings

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

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

Rated Volt.	Surge Voltage	Capacitance	Size	Tanδ	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
2.5V (0E)	2.9	270	5 × 5.8	0.12	500	10	3,860
		330	5 × 5.8			10	3,860
			6.3 × 4.4			14	3,180
		390	5 × 5.8		700	10	3,860
			6.3 × 5.9		293		3,900
		560	6.3 × 5.9		700		3,900
			8 × 6.7		420	9	4,200
		680	8 × 6.7		510		4,500
		1,200	10 × 7.7		900		5,000
		2,200	10 × 9.9		1,650	8	6,000
	4.6	330	6.3 × 5.9	0.12	396	10	3,900
4V (0G)		470	8 × 6.7		564	9	4,500
		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
6.3V (0J)	7.2	150	5 × 5.8	0.12	500	12	3,520
		180	5 × 5.8			15	3,150
		220	5 × 5.8				3,150
			6.3 × 4.4				3,180
			6.3 × 5.9		416	10	3,900
		330	8 × 6.7		624	9	4,500
		390	8 × 6.7		737		4,500
		820	10 × 7.7		1,550		5,000
		1,500	10 × 9.9		2,835	8	6,000
10V (1A)	12.0	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 μ F ±20% 6.3V Carrier Tape 10 $\phi \times 7.7L$ General Purpose OVH 821 M OJ TR - 1008

Series Name Capacitance Capacitance Rated Voltage Type Type Case Size Application

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