

OVS Series

Features

- 105°C, 20,000 hours assured
- · Ultra low ESR, solid capacitors of SMD tyep
- · RoHS Compliant



Marking color: Blue

Specifications					Marking color: Blue				
Items	Performance								
Category Temperature Range	-55°C ~ +105°C								
Capacitance Tolerance	±20% (at 120 Hz,								
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								
ESR (at 100k ~ 300k Hz, 20°C)	See Standard Ratings	See Standard Ratings							
Endurance	* The above specificat 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	0,000 Hrs 0% of initial value 0% of specified value 0% of specified value specified value red to 20°C after the ra	ted voltage applied for 20,000				
Moisture Resistance			Capacitance Change Within ±20% of initial value Tanδ Less than 150% of specified value ESR Less than 150% of specified value						
Resistance to Soldering Heat * (Please refer to page 15 for reflow soldering conditions)		Capacitance Change Within ±10% of initial value Tanδ Within specified value ESR Within specified value Leakage Current Within specified value							
Ripple Current and Frequency Multipliers	Frequenc Multip		$\frac{1k \leq f < 10k}{0.3}$	10k ≤ f < 100k	$\frac{100k \leq f < 500k}{1.0}$				

Date code

Series name

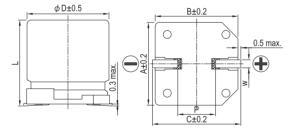
Rated voltage

Rated cap.

* 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.

φD = 8

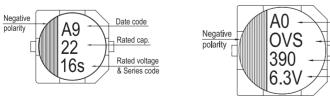
Diagram of Dimensions



	1	Unit: mm					
	φD	L	А	В	С	W	P ± 0.2
	6.3	5.8 ± 0.3	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

Marking

 ϕ D = 6.3





Standard Ratings

Dimension: ϕ D×L(mm) Ripple Current: mA/rms at 100k Hz, 105°C

Rated Volt. (V)	Surge Voltage (V)	Capacitance (µF)	Size ¢D×L(mm)	Tanō (120 Hz, 20℃)	L C (μΑ)	E S R (mΩ/at 100k ~ 300k Hz, 20°C max.)	Rated R. C. (mA/rms at 100k Hz, 105°C)
4V (0G)	4.6	560	8 × 6.7	0.12	448	22	3,220
6.3V (0J)	7.2	120	6.3 × 5.8	0.12	151		2,570
		220	6.3 × 5.8		277	22	2,570
		390	8 × 6.7		491		3,220
10V(1A)	12.0	120	6.3 × 5.8	0.12	240	27	2,320
		150	8 × 6.7	0.12	300	30	2,760
16V(1C)	18.0	39	6.3 × 5.8	0.12	125	37	2,050
		68	6.3 × 5.8		218	30	2,200
		82	8 × 6.7		262	30	2,760
		120	8 × 6.7		384	27	2,900

Part Numbering System

OVS Series	120µF	±20%	16V	Carrier Tape		8 <i>ф</i> ×6.7L	General Purpose
<u>ovs</u>	<u>121</u>	M	<u>1C</u>	TR	-	<u>0807</u>	
Series Name	Capacitance	Capacitance Tolerance	Rated Voltage	Package Type	Terminal Type	Case Size	Application

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