

SURGE

Features

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



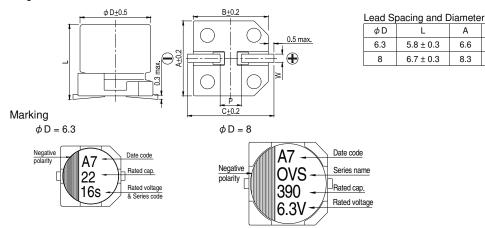
Marking color: Blue

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 (at120 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 ions shall be satisfied when t	Within ±20 Less than 150 Less than 150 Within s	,000 Hrs % of initial value % of specified value % of specified value pecified value ed to 20°C after the ra	atted voltage applied for 20,000					
Moisture Resistance	Test Time 1,000 Hrs 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 the RH for 1,000 hours. Leakage current should be tested after voltage treatment*.				cting them at 60°C, 90 ~ 95%					
Resistance to Soldering Heat * (Please refer to page 15 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	Frequency Multipl	, , ,	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



5.8 ± 0.3

6.7 ± 0.3

Unit: mm

P ± 0.2

2.0

3.1

В

6.6

8.3

6.6

8.3

С

7.2

0.5 ~ 0.8

0.7 ~ 1.1



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Standard Ratings

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

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)	$\begin{array}{c} \text{E S R} \\ \text{(m}\Omega/\text{at } 100\text{k} \sim 300\text{k Hz, } 20^{\circ}\text{C} \text{ max.)} \end{array}$	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)		120	6.3 × 5.8	0.12	151	22	2,570
	7.2	220	6.3 × 5.8		277		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 120 μ F ±20% 16V Carrier Tape 8 $\phi \times 6.7$ L

OVS 121 M 1C **TR** 0807 Capacitance Rated Package Terminal Series Name Capacitance Case Size Tolerance Voltage Туре Туре

XX
S = Standard
KS = AEC-Q200 Qualified,
Safety Critical Application
LS = AEC-Q200 Qualified,
Non-Safety Critical
Application