

OCVU Series

Features

- 125°C, 1000 ~ 2,000 hours assured
- · Ultra low ESR, solid capacitors of SMD type
- · RoHS Compliance



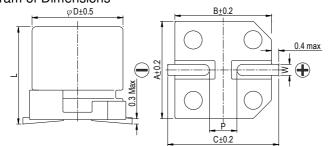
Marking color: Blue

Specifications

Items	Performance							
Category Temperature Range	-55°C ~ +125°C							
Capacitance Tolerance	±20% (at 120Hz, 20°C							
Leakage Current (at 20°C)*	Rated voltage applied, after 2 minutes at 20°C. See Standard Ratings							
Tanδ (at120Hz, 20°C)	See Standard Ratings							
ESR (at 100k ~ 300k Hz, 20°C)	See Standard Ratings							
Endurance			Test Time licitance Change Tanō ESR	2,000 Hi Within ±20 Less than 200 Less than 200	rs for 2.5 ~ 4V; rs for 6.3 ~ 16V)% of initial value)% of specified value of specified value specified value			
	* The above Specifichours at 125°C.		akage Current II be satisfied when t		· · · · · · · · · · · · · · · · · · ·	ed voltage applied for specified		
Moisture Resistance		Сара	Test Time ucitance Change Tanō ESR	1,000 Hrs Within ±20% of initial value Less than 150% of specified value Less than 150% of specified value				
		ا م	Leakage Current Within specified value					
		cifications shall be satisfied when the capacitors are restored to 20°C after subjecting them at 60 burs. Leakage current should be tested after voltage treatment*.						
Resistance to Soldering Heat * (Please refer to page 22 for reflow soldering conditions)			Tanō ESR akage Current	Within ±10 Less than 130 Less than 130 Within s				
Ripple Current & Frequency Multipliers		ency (Hz) tiplier	120 ≤ f < 1k 0.05	1k ≤ f < 10k 0.3	10k ≤ f < 100k 0.7	100k ≤ f < 500k 1.0		

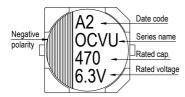
^{*} For any doubt about measured values, measure the leakage current again after the following voltage treatment. Voltage treatment: DC rated voltage is applied to the capacitors for 2 hours at 105°C.

Diagram of Dimensions



Lead	Spacing and D	iamete	meter Unit: mr				
ϕ D	L	Α	В	С	W	P ± 0.2	
8	12.0 ± 0.5	8.4	8.4	9.0	0.7 ~ 1.1	3.1	
10	9.9+0.1/-0.3	10.4	10.4	11.0	0.7 ~ 1.3	4.7	
10	12.6 +0.1/-0.4	10.4	10.4	11.0	0.7 ~ 1.3	4.7	

Marking





Standard Ratings

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

Ripple Current: mA/rms at 100k Hz

W. V. (V)	Surge Voltage	Capacitance	Size	Tanδ	LC	ESR	Rated R. C.(mA/rms at 100k Hz)	
	(V)	(μ F)	φD×L(mm)	(120Hz, 20°C)	(µA)	(mΩ/at 100k ~ 300k Hz, 20°C Max)	T ≤ 105°C	105°C < T ≦ 125°C
2.5V (0E)	2.9	680	8 × 12	0.18	340	13	4,520	1,430
		1,000	10 × 9.9	0.18	500	13	5,200	1,645
		1,500	10 × 12.6	0.18	750	13	5,440	1,721
4V (0G)	4.6	560	8 × 12	0.18	448	13	4,520	1,430
		820	10 × 9.9	0.18	656	13	5,200	1,645
		1,200	10 × 12.6	0.18	960	12	5,440	1,721
6.3V (0J)	7.2	470	8 × 12	0.15	592	15	4,210	1,332
		560	10 × 9.9	0.15	706	16	4,700	1,487
		820	10 × 12.6	0.15	1,033	12	5,440	1,721
	12.0	330	8 × 12	0.15	660	17	3,950	1,250
10V (1A)		470	10 × 9.9	0.15	940	18	4,400	1,392
		560	10 × 12.6	0.15	1,120	13	5,230	1,655
	18.0	180	8 × 12	0.15	576	20	3,640	1,151
16V (1C)		220	10 × 9.9	0.15	704	20	4,200	1,330
		330	10 × 12.6	0.15	1,056	16	4,720	1,493

Part Numbering System

Pb-free and PET Carrier OCVU series 470µF 6.3V ±20% $8\phi \times 12L$ Tape coating case <u>471</u> <u>0812</u> OVU <u>0J</u> <u>TR</u> M Lead Wire and Rated Package Series name Capacitance Case size Voltage Type Coating Type

Note: For more details, please refer to "Part Numbering System (SMD Type)" on page 12.