ORB Series

Features

- 105°C, 20,000 hours assured
- Ultra low ESR with large permissible ripple current
- · RoHS compliance



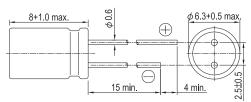
Marking color: Blue

Specifications

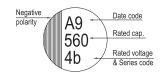
Specifications										
Items	Performance									
Category Temperature Range										
Capacitance Tolerance			±20%							
Leakage Current (at 20°C)*	Rated voltage applied, after 2 minutes at 20°C. See Standard Ratings									
Tanδ (at120 Hz, 20°C)	See Stand	e Standard Ratings								
ESR (at 100k ~ 300k Hz, 20°C)	See Stand	ard Ratings								
Endurance	* The abov	Love specifications sh	Test Time acitance Change Tanδ ESR eakage Current all 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 ed to 20°C after the ra	ited voltage applied for 20	0,000			
Moisture Resistance		Love specifications sh		Within ±20 Less than 150 Less than 150 Within s		cting them at 60°C, 90 ~ 9	95%			
Resistance to Soldering Heat * (Please refer to page 11 for soldering conditions)			acitance Change Tanδ ESR eakage Current	Within ±10 Within s Within s Within s						
Ripple Current and Frequency Multipliers		Frequency (Hz) Multiplier	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.

Diagram of Dimensions



Marking



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

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

Standard Ratings Ripple Current: mA/rms a								
Rated Volt. (V)	Surge Voltage (V)	Capacitance (µF)	Size ϕ D×L(mm)	Tanδ (120 Hz, 20°C)	LC (µA)	ESR (m Ω /at 100k ~ 300k Hz, 20°C max.)	Rated R. C. (mA/rms at 100k Hz, 105°C)	
2.5V(0E)	2.9	820	6.3 × 8	0.10	500	7	5,000	
4V (0G)	4.6	560			500	7	5,000	
6.3V (0J)	7.2	470			592	8	4,700	
0.0 (00)	1.2	560			706	8	4,700	

Part Numbering System

ORB Series 6.3V 470µF ±20% **Bulk Package** Gas Type $6.3 \phi \times 8L$ Pb-free and PET coating case

Unit: mm

ORB 471 0J0608 Rated Rubber Capacitance Lead Configuration Series Name Capacitance Case Size Lead Wire and Coating Type Tolerance Voltage and Package

Note: For more details, please refer to "Part Numbering System (Radial Type)" on page 13.

Voltage treatment: DC rated voltage is applied to the capacitors for 2 hours at 105°C.