

ORD Series

Features

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



Marking color: Blue

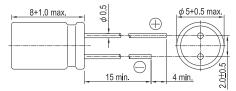
Specifications

Items	Performance								
Category Temperature Range	-55°C ~ +105°C								
Capacitance Tolerance		(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	Test Time Capacitance Change Tanδ 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	ated voltage applied for 20,000				
Moisture Resistance	Test Time Capacitance Change Tanδ Less than 150% of specified value ESR Less than 150% of specified value Leakage Current * The above specifications shall be satisfied when the capacitors are restored to 20°C after subjecting them at 60°C RH for 1,000 hours. Leakage current should be tested after voltage treatment*.								
Resistance to Soldering Heat * (Please refer to page 11 for soldering conditions)		Capacitance Change Tanδ ESR Leakage Current	Within ±10% of initial value Within specified value Within specified value Within specified value						
Ripple Current and Frequency Multipliers			1k ≤ f < 10k 0.3	10k ≤ f < 100k 0.7	100k ≤ f < 500k 1.0				

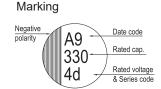
For any doubt about measured values, measure the leakage current again after the following voltage treatment.

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

Diagram of Dimensions



Unit: mm



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

Standard Ratings Ripple Current: mA/rms at 100k Hz, 10									
Rated Volt.	Surge Voltage	Capacitance	Size	Tanδ	LC	ESR	Rated R. C.		
(V)	(V)	(μF)	ϕ D×L(mm)	(120 Hz, 20°C)	(µA)	(mΩ/at 100k ~ 300k Hz, 20°C max.)	(mA/rms at 100k Hz, 105°C)		
		220	5 × 8	0.10	500	7	4,350		
2.5V (0E) 2.9	2.0	330							
	2.9	470							
		560							
4V (0G)	4.6	330				8	4,050		
6.3V (0J)	7.2	270				10	3,700		
		330				8	4,050		

Part Numbering System

ORD Series 6.3V **Bulk Package** 330µF ±20% Gas Type Pb-free and PET coating case $5\phi \times 8L$ 331 **0**J ORD M 0508 Rated Rubber Capacitance Lead Configuration Capacitance Case Size Lead Wire and Coating Type Voltage and Package Tolerance Type

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