# **ORD Series**

### Features

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



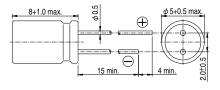
Marking color: Blue

#### Specifications

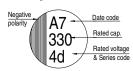
specifications									
Items	Performance								
Category Temperature Range	-55°C ∼ +105°C								
Capacitance Tolerance		(at 120 Hz, 20°C							
Leakage Current (at 20°C)*	Rated voltage applied, after 2 minutes at 20°C. See Standard Ratings								
Tanδ (at120 Hz, 20°C)	See Standard Ratings								
ESR (at 100k ~ 300k Hz, 20°C)	See Standard Ratings								
Endurance	* The above specificati	Test Time Capacitance Change Tanō ESR Leakage Current ons 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	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 18 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	Frequency Multipli	. ,	1k ≤ f < 10k 0.3	10k ≤ f < 100k 0.7	100k ≤ f < 500k 1.0				

<sup>\*</sup> 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



## Marking



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

Application

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

Unit: mm

Otanaara 11	amigo			rappie durient: m/ vinis at 100k riz, 100 G			
Rated Volt.	Surge Voltage	Capacitance	Size	Tanδ	LC	ESR	Rated R. C.
(V)	(V)	(μF)	$\phi  D \times L(mm)$	(120 Hz, 20°C)	(µA)	(mΩ/at 100k ~ 300k Hz, 20°C max.)	(mA/rms at 100k Hz, 105°C)
2.5V (0E) 2.9		220					
	330	1	ļ		7	4,350	
	2.9	470				,	4,350
		560	5 × 8	0.10	500		
4V (0G)	4.6	330			8	4,050	
6.3V (0J)	7.2	270				10	3,700
0.01 (00)	7.2	330				8	4,050

Part Numbering System

ORD Series 330 $\mu$ F ±20% 6.3V Bulk Package Gas Type 5 $\phi$  ×8L

**ORD** 331 M <u>0J</u> BK 0508 Capacitance Rated Rubber S = Standard Lead Configuration Series Name Capacitance Case Size KS = AEC-Q200 Qualified, Voltage and Package Type Safety Critical Application
LS = AEC-Q200 Qualified, Non-Safety Critical