ORD Series

Features

- 105℃, 20,000 hours assured
- Ultra low ESR with large permissible ripple current
- RoHS Compliance

Marking color: Blue

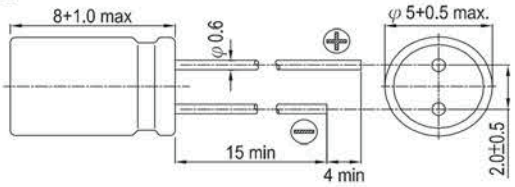
Specifications

Items	Performance
Category Temperature Range	-55℃ ~ +105℃
Capacitance Tolerance	±20% (at 120Hz, 20℃)
Leakage Current (at 20℃)*	Rated voltage applied, after 2 minutes at 20℃. See Standard Ratings
Tanδ (at120Hz, 20℃)	See Standard Ratings
ESR (at 100k ~ 300k Hz, 20℃)	See Standard Ratings
Endurance	Test Time: 20,000 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℃ after the rated voltage applied for 20,000 hours at 105℃.
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℃ after subjecting them at 60℃, 90 to 95% 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: Within ±10% of initial value Tanδ: Less than 130% of specified value ESR: Less than 130% of specified value Leakage Current: Within specified value
Ripple Current and Frequency Multipliers	Frequency (Hz): 120 ≤ f < 1k	1k ≤ f < 10k	10k ≤ f < 100k	100k ≤ f < 500k Multiplier: 0.05	0.3	0.7	1.0

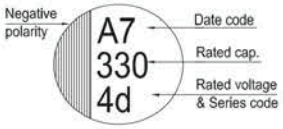
* For any doubt about measured values, measure the leakage current again after the following voltage treatment.
Voltage treatment: DC rated voltage is applied to the capacitors for 2 hours at 105℃.

Diagram of Dimensions

Unit: mm



Marking



Dimension: φD×L(mm)
Ripple Current: mA/rms at 100k Hz, 105℃

Standard Ratings

W. V. (V)	Surge Voltage (V)	Capacitance (μF)	Size φD×L(mm)	Tanδ (120Hz, 20℃)	LC (μA)	E S R (mΩ/at 100k ~ 300k Hz, 20℃ Max)	Rated R. C. (mA/rms at 100k Hz, 105℃)
2.5V (0E)	2.9	220	5 × 8	0.10	500	7	4,350
		330	5 × 8	0.10	500	7	4,350
		470	5 × 8	0.10	500	7	4,350
		560	5 × 8	0.10	500	7	4,350
4V (0G)	4.6	330	5 × 8	0.10	500	8	4,050
6.3V (0J)	7.2	270	5 × 8	0.10	500	10	3,700
		330	5 × 8	0.10	500	8	4,050

Part Numbering System

ORD Series	330μF	±20%	6.3V	Bulk Package	Gas Type	5φ×8L	Pb-free and PET coating case	
ORD	**331**	**M**	**0J**	**BK**	**-**	**0508**		**S**
Series Name	Capacitance	Capacitance Tolerance	Rated Voltage	Lead Configuration & Package	Rubber Type	Case Size	Lead Wire and Coating Type	Supplement Code

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