

# **ORE Series**

Features

- 105°C, 5,000 hours assured
- Ultra low ESR with large permissible ripple current
- RoHS Compliance

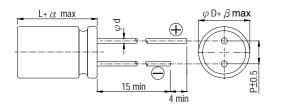


Marking color: Blue

opecifications									
Items			Performance						
Category Temperature Range	-55°C ~ +105°C								
Capacitance Tolerance		±20%							
Leakage Current (at 20°C)*	Rated voltage applied, after 2 minutes at 20°C. See Standard Ratings								
Dissipation Factor (Tanδ at 120Hz, 20°C)	See Standard Ratings								
ESR (at 100k ~ 300k Hz, 20°C)	See Standard Ratings								
Endurance		Test Time Capacitance Change Dissipation Factor ESR Leakage Current	Within ±20 Less than 150 Less than 150	000 Hrs % of initial value % of specified value % of specified value specified value					
	* The above Specification hours at 105°C.	tions shall be satisfied wher	the capacitors are rest	ored to 20°C after the r	ated voltage applied for 5,000				
		Test Time							
		Capacitance Change	Within ±20						
Moisture Resistance		Dissipation Factor	Less than 150% of specified value Less than 150% of specified value						
		ESR							
		Leakage Current		specified value					
	* The above Specifications shall be satisfied when the capacitors are restored to 20°C after subjecting them at 60°C, 90 to RH for 1,000 hours. Leakage current should be tested after voltage treatment*.								
		Capacitance Change	Within ±10	0% of initial value					
Resistance to Soldering Heat *		Dissipation Factor	Less than 130% of specified value						
(Please refer to page 10 for		ESR Less than 130% of specified value							
soldering conditions)		Leakage Current	Within specified value						
Ripple Current &	Frequency	$f(Hz)$ 120 $\leq$ f < 1k	1k ≦ f < 10k	$10k \le f \le 100k$	$100k \leq f < 500k$				
Frequency Multipliers	Multipli		0.3	0.7	1.0				
	Waltipl	0.00	0.0	0.7	1.0				

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

## **Diagram of Dimensions**



#### Lead Spacing and Diameter

φD 6.3

L

Ρ

φd 0.6

α

β

8

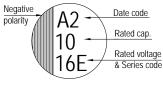
2.5

1.0

0.5

## Marking

Unit: mm



### Dimension: $\phi$ D×L(mm) Ripple Current: mA/rms at 100k Hz, 105°C

Standard Ratings Ripple Current: mA/rms at 100k Hz,							
W. V. (V)	Surge Voltage (V)	Capacitance (µF)	Size $\phi$ D×L(mm)	Tanδ (120Hz, 20°C)	LC (µA)	E S R (mΩ/at 100k ~ 300k Hz, 20°C Max)	Rated R. C. (mA/rms at 100k Hz, 105°C)
2.5V (0E) 2.8		330	6.3 × 8	0.10	500	5	5,900
	2.0	470	6.3 × 8	0.10	500	5	5,900
	2.0	560	6.3 × 8	0.10	500	5	5,900
		820	6.3 × 8	0.10	500	5	5,900