

ORS Series

Features

- 105°C, 15,000 hours assured
- Ultra low ESR with large permissible ripple current
- · RoHS Compliance



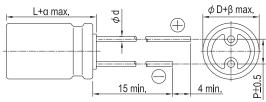
Marking color: Blue

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 specificat specified hours at 10	Test Time Capacitance Change Tanō ESR Leakage Current ons shall be satisfied when 5°C.	Within ±20 Less than 150 Less than 150 Within s	0,000 Hrs 9% of initial value 9% of specified value 9% of specified value specified value ed to 20°C after the ra	ted voltage applied for				
Moisture Resistance		Test Time Capacitance Change Tanδ ESR Leakage Current ons shall be satisfied when Leakage current should be to	Within ±20 Less than 150 Less than 150 Within s the capacitors are restor		cting them at 60°C, 90 ~ 95%				
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	Frequency Multipli	` '	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.

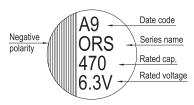
Diagram of Dimensions



Lead Spacing and Diameter Unit: mm

ϕ D	8	10		
L	11.5	12		
Р	3.5	5.0		
ϕ d	0.6			
α	1.	.0		
β	0.5			

Marking





Standard Ratings

Dimension: ϕ D×L(mm) Ripple Current: mA/rms:

Standard Ratings Ripple Current: mA/rms at 100k l							
Rated Volt.	Surge Voltage	Capacitance	Size	Tanδ	L C	ESR	Rated R. C.
(V)	(V)	(µF)	φD×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	680	8 × 11.5	0.12	340	10	5,230	
	820	8 × 11.5		410	10	5,230	
	1,500	10 × 12		750	8	5,500	
4V (0G) 4.6		560	8 × 11.5		448	10	5,230
	4.6	820		0.12	656	8	5,500
	4.0	1,000	10 × 12		800		
		1,200			960		
6.3V (0J) 7.2		390	8 × 11.5	0.12	491	12	4,770
		470	8 × 11.5		592	12	4,770
	7.2	680			857		
		820	10 × 12		1,033	10	5,500
		1,000			1,260		
10V (1A)		270	8 × 11.5	0.12	540	14	4,420
	10.0	330	8 × 11.5		660	14	4,420
	12.0	470	10 × 12		940	12	5,300
		560	10 × 12		1,360	12	5,300
16V (1C) 18.0		100	8 × 11.5	0.12	320	16	4,360
	40.0	180	8 × 11.5		576	16	4,360
	18.0	270	10 × 12		864	14	5,050
		330	10 × 12		1,056	14	5,050
20V (1D)	23.0	100	8 × 11.5	0.12	400	24	3,320
		150	10 × 12	0.12	600	20	4,320
25V (1E)	29.0	68	8 × 11.5	0.12	340	24	3,320
		100	10 × 12	0.12	500	20	4,320
35V (1V)	40.0	18	8 × 11.5	0.12	315	34	2,830
	40.0	33	10 x 12	0.12	578	30	3 270

Part Numbering System

ORS Series 470µF ±20% 6.3V Bulk Package Gas Type 8 ϕ ×11.5L Pb-free and PET coating case

0.12

30

3,270

ORS471MOJBK-0811Series NameCapacitanceCapacitanceRated VoltageLead Configuration and PackageRubber TypeCase sizeLead Wire and Coating Type

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

10 × 12