

ORG Series

Features

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



Marking color: Blue

Items	Performance							
Category Temperature Range	-55°C ~ +105°C							
Capacitance Tolerance	±20% (at 120 Hz, 20							
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							
		Test Time Capacitance Change Tanδ	20 ~ 35 Within ±20	20,000 Hrs V: 15,000 Hrs % of initial value % of specified value				
Endurance		ESR Less than 150% of specified value		% of specified value				
		Leakage Current		pecified value				
	* The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 20,000 / 15,000 hours at 105°C.							
Moisture Resistance		Test Time						
		Capacitance Change	Within ±20	Within ±20% of initial value				
		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, 90 ~ 95% RH for 1,000 hours. Leakage current should be tested after voltage treatment*.							
		Capacitance Change	Within ±10					
		Ταηδ		pecified value				
(Please refer to page 18 for			Within s					
(Please refer to page 18 for		Ταηδ	Within s Within s	pecified value				
Resistance to Soldering Heat * (Please refer to page 18 for soldering conditions) Ripple Current and	Frequenc	Tanō ESR Leakage Current	Within s Within s	pecified value	 100k ≤ f < 500k			

* 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 Fig. 1

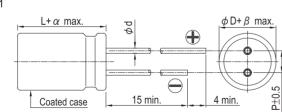
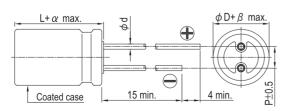


Fig. 2



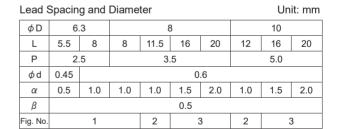
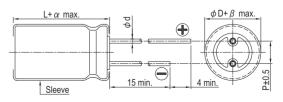


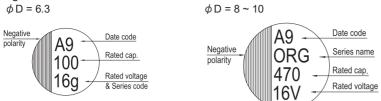
Fig. 3





Marking





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

Standard R	latings					Ripple Current: n	nA/rms at 100k Hz, 105°0	
Rated Volt.	Surge Voltage	Capacitance	Size	Tanō	LC		Rated R. C.	
(V)	(V)	(μF) 150	φD×L(mm) 6.3 × 5.5	(120 Hz, 20°C)	(μA) 480	(mΩ/at 100k ~ 300k Hz, 20°C max.) 20	(mA/rms at 100k Hz, 105°C) 3,200	
		270	6.3 × 8	-	864	10	5,080	
	330	6.3 × 8	-	1,056	10	5,080		
		470	0.3 × 8 8 × 8	-	1,504	8	5,400	
		560	8 × 11.5	-	1,792	8	6,100	
				-			6,100	
		680 820	8 × 11.5 8 × 16	-	2,176 2,624	8	7,000	
				-		8		
16\/ (10)	40.0		10 × 12	-	2,624	12	5,400	
16V (1C) 18	18.0	1 0 0 0	8 × 16	0.40	3,200	8	7,000	
		1,000	8 × 20	0.12		8	7,500	
			10 × 12	-		12	5,400	
		1,200	8 × 20	-	3,840	8	7,500	
		,	10 × 12	-	3,840	12	5,400	
		1,500	8 × 20	-	4,800		7,500	
	-		10 × 16	-	4,800	-	7,700	
		1,800	10 × 16	-	5,760	8	8,100	
			10 × 20	-	5,760	_		
		2,200	10 × 20	4	7,040	_		
		2,700	10 × 20		8,640			
20V (1D)	-	120	6.3 × 5.5	_	480	20	3,200	
		180	6.3 × 8		720	18	3,460	
	23.0	330	8 × 8	0.12	1,320	17	3,880	
		390	8 × 11.5		1,560	14	4,970	
		680	10 × 12		2,720	12	5,400	
25V (1E) 29.0	56	6.3 × 5.5		280	30	2,600		
	82			410				
		100	6.3 × 8		500	28	2,780	
	120			600				
		180	8 × 8	0.12	900	18	3,770	
	29.0		8 × 11.5	1	900	16	4,650	
		220	8 × 11.5	1	1,100	16	4,650	
		330	10 × 12	1	1,650	14	5,000	
		390	10 × 12	1	1,950	14	5,000	
		68	8 × 11.5	0.12	476	18	4,380	
35V(1V) 40.0	40.0	120	10 × 12	0.12	840	16	4,670	

Part Numbering System

ORG Series	560µF	±20%	16V	Bulk Package	Gas Type	8¢×11.5L	General Purpose
ORG	<u>561</u>	M	<u>1C</u>	<u>BK</u>	-	<u>0811</u>	
Series Name	Capacitance	Capacitance Tolerance	Rated Voltage	Lead Configuration and Package	Rubber Type	Case Size	Application

Note: For more details, please refer to "Part Numbering System" on page 20.