

RT

Small, High Capacitance

Series



- 105°C 2,000 to 3,000hours
- Solvent proof (within 2 minutes)

RT
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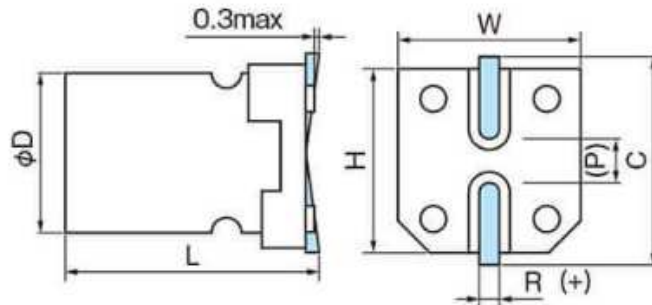
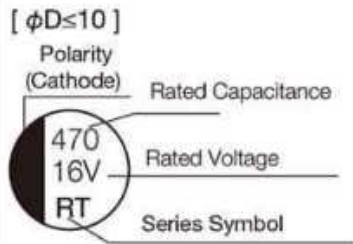
Specifications

Items	Condition	Specifications						
Rated voltage (V)	-	6.3	10	16	25	35	50	
Surge voltage (V)	Room temperature	8.0	13	20	32	44	63	
Category temperature range (°C)	-	-55 to +105						
Capacitance tolerance (%)	120Hz/20°C	M : ±20						
Dissipation Factor(tan δ)	tanδ(max) 120Hz/20°C	φ4 to φ6.3	0.24	0.22	0.20	0.18	0.16	0.14
		φ8 to φ10	0.26	0.24	0.22	0.18	0.16	0.14
Leakage current(LC)	μA/after 2minutes (max)	Exceeding 1,000μF, +0.02 every 1,000μF The greater value of either 0.01CV or 3μA						
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C Z/Z _{20°C}	3	3	2	2	2	2
		-55°C Z/Z _{20°C}	8	5	4	3	3	3
Endurance	105°C 2,000hours rated voltage applied (With the rated ripple current)	Test	6.3V.DC : 3,000hours, φ8×10.5 and φ10×10.5 : 3,000hours					
		ΔC/C	Within ±30% of the initial value					
		tanδ	Less than 300% of the specified value					
	LC	Less than the specified value						

■ Marking, Dimensions

(Unit : mm)

Black print on the case top



A pressure relief vent is provided for $\phi D=8$ or bigger
 (P)reference size

$D^{+0.5}$	L	$W^{+0.2}$	$H^{+0.2}$	$C^{+0.2}$	R	$P^{+0.2}$
4	$5.4^{+0.4}$	4.3	4.3	5.1	0.5 to 0.8	1.0
5	$5.4^{+0.4}$	5.3	5.3	6.1	0.5 to 0.8	1.3
6.3	$5.4^{+0.4}$	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	$7.7^{+0.4}$	6.6	6.6	7.3	0.5 to 0.8	2.2
8	$6.5^{+0.5}$	8.3	8.3	9.2	0.7 to 1.2	3.1
8	$10.5^{+0.5}$	8.3	8.3	9.2	0.7 to 1.2	3.1
10	$10.5^{+0.5}$	10.3	10.3	11.2	0.7 to 1.2	4.4

■ Ripple Current Frequency Coefficient

Frequency:F(Hz)		$100 \leq F < 1k$	$1k \leq F < 10k$	$10k \leq F < 100k$	$100k \leq F$
Capacitance:C(μF)	$C \leq 100$	1.00	1.30	1.50	1.80
	$100 < C \leq 330$	1.00	1.20	1.30	1.45
	$330 < C$	1.00	1.10	1.20	1.30

■ Size, Impedance, Rated Ripple Current

μF \ V	6.3		10		16		25		35		50	
10											4×5.8	30
											5×5.8	55
22									4×5.8	55	5×5.8	55
33							4×5.8	60	5×5.8	85		
47					4×5.8	60	5×5.8	95	5×5.8	95	6.3×5.8	75
68			4×5.8	60	5×5.8	95	5×5.8	95	6.3×5.8	120		
100	4×5.8	60			5×5.8	95	6.3×5.8	120	6.3×5.8	120	6.3×7.7	140
150			5×5.8	95	6.3×5.8	120	6.3×7.7	240	6.3×7.7	240		
220	5×5.8	95	6.3×5.8	180	6.3×5.8	180	6.3×7.7	360			8×10.5	400
330	6.3×5.8	180	6.3×7.7	360	6.3×7.7	360			8×10.5	510	10×10.5	270
390							8×10.5	510	8×10.5	510		
470	6.3×7.7	360	6.3×7.7	360	8×6.5	360	8×10.5	510				
560							8×10.5	510	10×10.5	660		
680	6.3×7.7	360			8×10.5	510			10×10.5	710		
820					8×10.5	510	10×10.5	710				
1000			8×10.5	510	10×10.5	710	10×10.5	710				
1200					10×10.5	710						
1500	8×10.5	510	10×10.5	710								
2200	10×10.5	710										

Case size: ϕ DxL(mm)

Rated ripple current
mArms(120Hz, 105°C)