

Aluminum Electrolytic Type / Surface Mount Type

RoHS compliance

RZ Series

Super Low ESR



- 30 to 50% less ESR than CE-KX series at high frequencies.
- 105°C 2,000hours
- Solvent proof (within 2 minutes)

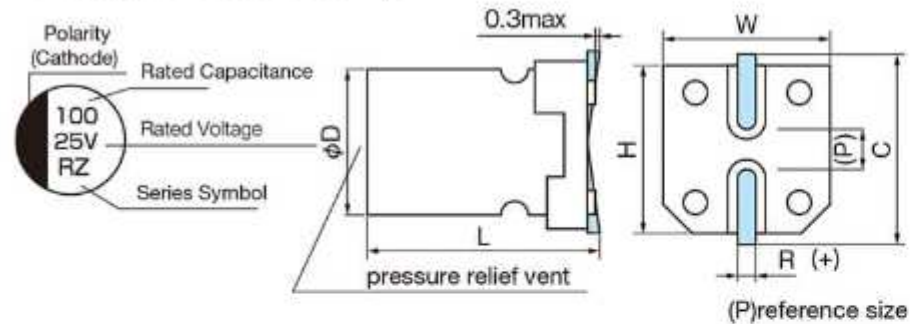


■ Specifications

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	0.26	0.19	0.16	0.14	0.12	0.10
Leakage current (LC)		μA/after 2minutes (max)	0.01CV					
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-40°C Z/Z _{20°C}	3	3	3	3	3	3
		-55°C Z/Z _{20°C}	4	4	4	3	3	3
Endurance	105°C, 2,000hours rated voltage applied (With the rated ripple current)	ΔC/C	Within ±30% of the initial value					
		tanδ	Less than 200% of the specified value					
		LC	Less than the specified value					

■ Marking, Dimensions

Black print on the case top



(Unit : mm)

$D^{\pm 0.5}$	L	$W^{\pm 0.2}$	$H^{\pm 0.2}$	$C^{\pm 0.2}$	R	$P^{\pm 0.2}$
6.3	$5.8^{\pm 0.4}$	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	$7.7^{\pm 0.4}$	6.6	6.6	7.3	0.5 to 0.8	2.2
8	$10.5^{\pm 0.5}$	8.3	8.3	9.2	0.7 to 1.2	3.1
10	$10.5^{\pm 0.5}$	10.3	10.3	11.2	0.7 to 1.2	4.4
10	$13.5^{\pm 0.5}$	10.3	10.3	11.2	0.7 to 1.2	4.4

■ Ripple Current Frequency Coefficient

Frequency:F(Hz)		$100 \leq F < 1\text{k}$	$1\text{k} \leq F < 10\text{k}$	$10\text{k} \leq F < 100\text{k}$	$100\text{k} \leq F$
Capacitance:C(μF)	$C \leq 33$	0.35	0.70	0.90	1.00
	$33 < C \leq 150$	0.40	0.85	0.92	1.00
	$150 < C$	0.60	0.85	0.95	1.00

■ Size, ESR, Rated Ripple Current

μF \ V	6.3	10	16	25	35	50
33				6.3×5.8 0.26 300	6.3×5.8 0.26 300	
47			6.3×5.8 0.26 300	6.3×5.8 0.26 300	6.3×5.8 0.26 300	
68			6.3×5.8 0.26 300	6.3×5.8 0.26 300	6.3×7.7 0.16 600	
100	6.3×5.8 0.26 300		6.3×5.8 0.26 300	6.3×7.7 0.16 600	6.3×7.7 0.16 600	
			6.3×7.7 0.16 600		8×10.5 0.08 850	8×10.5 0.18 670
150		6.3×5.8 0.26 300	6.3×7.7 0.16 600	8×10.5 0.08 850	8×10.5 0.08 850	
220	6.3×5.8 0.26 300	6.3×7.7 0.16 600	6.3×7.7 0.16 600	8×10.5 0.08 850	8×10.5 0.08 850	10×10.5 0.12 900
330	6.3×7.7 0.16 600	8×10.5 0.08 850	8×10.5 0.08 850	8×10.5 0.08 850	10×10.5 0.06 1190	10×13.5 0.10 900
390					10×10.5 0.08 850	
470	8×10.5 0.08 850	8×10.5 0.08 850	8×10.5 0.08 850	10×10.5 0.06 1190	10×13.5 0.06 1190	
560				10×10.5 0.08 850		
680		8×10.5 0.08 850	10×10.5 0.06 1190	10×13.5 0.06 1190		
820			10×10.5 0.08 850			
1000	8×10.5 0.08 850	10×10.5 0.06 1190	10×13.5 0.06 1190			
1200		10×10.5 0.08 850				
1500	10×10.5 0.06 1190	10×13.5 0.06 1190				
1800	10×10.5 0.08 850					

Case size: ϕ DxL(mm)

Rated ripple current
mA_{rms}(100kHz, 105°C)
ESR(Ω)
max at 100kHz, 20°C