

RVW Series

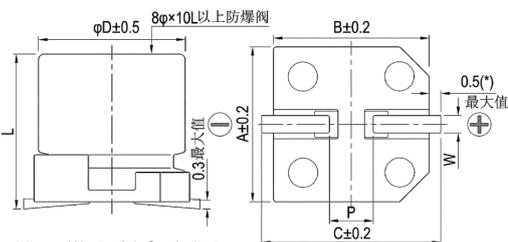
- Available for reflow soldering. Available for high density surface mounting.
- High stability and reliability.
- Load life 3,000 hours at 105°C.
- Adapter to the RoHS. REACH directive.



◆ SPECIFICATIONS

Item	Performance Characteristics	
Category Temperature Range	-55 ~ +105°C	
Working Voltage Range	6.3 ~ 63Vdc	
Capacitance Range	10 ~ 1500 μF	
Capacitance Tolerance	±20% (at 20°C and 120Hz)	
Dissipation Factor (tanδ) (at 20°C, 120Hz)	Rated Voltage (V) 6.3 10 16 25 35 50 63	
	Tanδ(Max) 0.30 0.24 0.20 0.18 0.16 0.14 0.14	
Leakage Current	I=0.01CV or 3 μA, whichever is greater I : Leakage current (μA) C : Rated capacitance (μF) V : Rated voltage (V) Impress the rated voltage for 2 minutes	
Low Temperature Characteristics Impedance Ratio(MAX)	Rated voltage (V) 6.3 10 16 25 35 50 63	
	Z(-25°C)/Z(+20°C) 4 3 2 2 2 2 3	
	Z(-55°C)/Z(+20°C) 8 6 4 4 3 3 4	
	(at 120Hz)	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 3,000 hours at 105°C.	
	Capacitance change	≒ ±30% of the initial value
	Dissipation factor(tanδ)	≒ 300% of the specified value
	Leakage current	≒ specified value
Shelf Life	The following requirements shall be satisfied when the capacitor are restored to 20°C after the rated voltage applied for 1,000 hours at 105°C without voltage applied.	
	Capacitance change	≒ ±30% of the initial value
	Dissipation factor(tanδ)	≒ 300% of the specified value
	Leakage current	≒ 200% of the specified value
Resistance to Soldering Heat	The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After reflow soldering and restored at room temperature, they meet the characteristics requirements listed below.	
	Capacitance change	≒ ±10% of the initial value
	Dissipation factor(tanδ)	≒ specified value
	Leakage current	≒ specified value

◆ DIMENSIONS (mm)

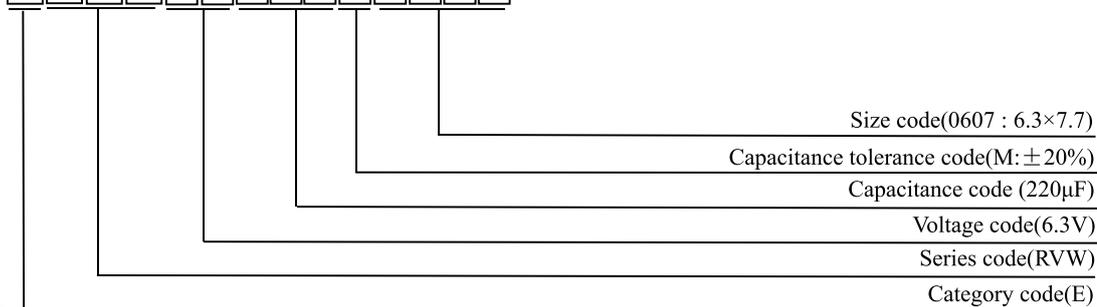


Note:(*):4-6.3Φ 0.4Max

ΦD	L	A	B	C	W	P±0.2
6.3	7.7±0.5	6.6	6.6	7.2	0.5~0.8	3.1
8	10.2±0.5	8.3	8.3	9.1	0.8~1.1	3.1
10	10.2±0.5	10.3	10.3	11.1	0.8~1.1	4.5

◆ PART NUMBER SYSTEM(Example : 6.3V 220μF)

E R V W 0 J 2 2 1 M 0 6 0 7



RWW Series

◆ Case size & Permissible rated ripple current: (mA rms) at 105°C / 120Hz

μF \ Vdc	6.3V		10V		16V		25V		35V	
	ΦD × L	RC								
33									6.3×7.7	84
47							6.3×7.7	90	6.3×7.7	98
100					6.3×7.7	90	6.3×7.7	130	8×10.2	175
220	6.3×7.7	105	6.3×7.7	105	8×10.2	210	8×10.2	140	10×10.2	315
							10×10.2	190		
330	8×10.2	210	8×10.2	210	8×10.2	210	10×10.2	315	10×10.2	315
470	8×10.2	210	8×10.2	210	8×10.2	210	10×10.2	315		
			10×10.2	315	10×10.2	315				
1000	10×10.2	315								
1500	10×10.2	330								

μF \ Vdc	50V		63V	
	ΦD × L	RC	ΦD × L	RC
10			6.3×7.7	39
22	6.3×7.7	70	8×10.2	98
33	8×10.2	90	8×10.2	100
47	8×10.2	120	10×10.2	130
100	10×10.2	170		
220	10×10.2	170		

◆ RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Vdc	Frequency (Hz)				
	50Hz	120Hz	300Hz	1KHz	≥10KHz
6.3 ~ 63	0.70	1.00	1.15	1.30	1.40