

Features

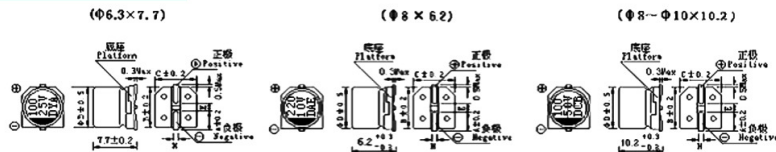
- ◆ Lifetime: 105°C, 2000Hr
- ◆ Reflow soldering is available
- ◆ Available for high density surface mounting
- ◆ High stability and reliability



Specifications

Operating Temperature Range	-55~+105°C		
Rated Voltage Range	6.3~100V DC		
Nominal Capacitance Range	4.7~1500 μF		
Capacitance Tolerance(120Hz, 20°C)	±20% (120Hz, 20°C)		
Leakage Current	I ≤ 0.01C ₀ U _r (μA) or 3 μA Whichever is greater (after 2 minutes)		
Dissipation Factor (120Hz, 20°C) r	U _r (V)	6.3, 10, 16, 25, 35, 50, 63, 100	
	tg δ	0.26, 0.20, 0.16, 0.14, 0.12, 0.12, 0.12, 0.12	
Temperature Characteristics Impedance Ratio (120Hz)	U _r (V)	6.3, 10, 16, 25, 35, 50, 63, 100	
	Z _{-25°C} /Z _{+20°C}	4, 3, 2, 2, 2, 2, 3, 3	
	Z _{-40°C} /Z _{+20°C}	8, 6, 4, 4, 3, 3, 4, 4	
Load Life	After applying for 2000 hours at +105°C and then resumed 16 hours. The capacitor shall meet the following limits.	Capacitance Change ≤ ±20% of Initial measured value Leakage ≤ Initial specified value Dissipation Factor ≤ 200% of Initial specified value	
	Shelf Life	After storage for 1000 hours at +105°C and then resumed 16 hours, the capacitor shall meet the following limits.	Capacitance Change ≤ ±20% of Initial measured value Leakage ≤ 200% of Initial specified value Dissipation Factor ≤ 200% of Initial specified value
		Resistance to Soldering Heat	The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature, then meet the following requirement.

Dimensions & Marking



Size	Φ6.3×7.7	Φ8×6.2	Φ8×10.2	Φ10×10.2
A	2.5	2.9	2.9	3.2
B	6.6	8.3	8.3	10.3
C	6.6	8.3	8.3	10.3
E	2.2	3.1	3.1	4.5
L	7.7	6.2	10.2	10.2
H	0.5~0.8		0.8~1.1	

Nominal capacitance, rated voltage, rated ripple current and case size table

DXL (MM) / μF	WV	6.3		10		16		25	
		D×L mm	Ripple Current mA	D×L mm	Ripple Current mA	D×L mm	Ripple Current mA	D×L mm (6.3×7.7 mm)	Ripple Current mA
100								8×6.2	91 (105)
220		6.3×7.7	105	6.3×7.7	110	(6.3×7.7)	(105)	8×10.2	175
		8×6.2	115	8×6.2	120	8×6.2	125 (150)		
330		6.3×7.7	110	8×10.2	196	8×10.2	195	10×10.2 (8×10.2)	240 (220)
		8×6.2	120						
470		8×10.2	210	8×10.2	210	10×10.2 (8×10.2)	295 (230)	10×10.2	280
		10×10.2	300						
1000		(8×10.2)	(230)	10×10.2	315	10×10.2	340		
1500		10×10.2	315						

DXL (MM) / μF	WV	35		50		63		100	
		D×L mm	Ripple Current mA	D×L mm	Ripple Current mA	D×L mm	Ripple Current mA	D×L mm	Ripple Current mA
4.7								6.3×7.7	35
								8×6.2	40
10						6.3×7.7	39	8×10.2	77
						8×6.2	45	(6.3×7.7)	(35)
22				6.3×7.7	51 (54)	8×10.2	98 (49)	10×10.2	126 (84)
				8×6.2		(6.3×7.7)		(8×10.2)	
33		8×6.2	50	6.3×7.7	60	6.3×7.7	112	10×10.2	133
47		6.3×7.7	70	8×10.2 (6.3×7.7)	120 (75)	10×10.2 (8×10.2)	160 (119)	10×10.2	140
		8×6.2	78						
100		8×10.2	120 (84)	10×10.2 (8×10.2)	170 (140)	10×10.2	196		
		(6.3×7.7)							
220		10×10.2 (8×10.2)	220 (190)	10×10.2	220				
330		10×10.2	245						
470		10×10.2	280						

Rated ripple current: (mA, 105°C, 120Hz);