

- SMD TYPE. Reflow Soldering is available.
- Life 2000 hours at 85°C
- Available For High Density Mounting

Characteristics

Voltage Range	4 to 450 VDC												
Capacitance Range	0.1 to 6800uF												
Temperature Range	-40 to +85°C												
Capacitance Tolerance	+20% -20% (at 20°C, 120Hz)												
Leakage Current	SIZE A~F: I≤0.01CV or 3uA, whichever is greater 2 minutes after Rated Voltage applied SIZE G~L(6.3V~100V): I≤0.03CV or 4uA, whichever is greater 2 minutes after Rated Voltage applied SIZE G~L(160V~450V): I≤0.04CV +100uA whichever is greater 5 minutes after Rated Voltage applied												
Dissipation Factor (tanδ) Max	Voltage (V)	4	6.3	10	16	25	35	50	63	100	160~250	400~450	
	SIZE A~F	0.4	0.26	0.22	0.18	0.16	0.12	0.10	0.10	0.10	-	-	
	SIZE G~L	-	0.38	0.34	0.30	0.26	0.22	0.18	0.14	0.10	0.20	0.25	
(at 20°C, 120Hz)	When the capacitance exceeds 1,000uF, 0.02 shall be added every 1,000uF increase.												
Stability at Low Temperature (at 120Hz)	Voltage (V)	4	6.3	10	16	25	35	50	63	100	160~250	400~450	
	Z -25°C	SIZE A~F	7	4	4	3	2	2	2	2	2	-	-
	/Z +20°C	SIZE G~L		5	5	4	2	2	2	2	2	3	6
	Z -40°C	SIZE A~F	15	8	5	4	3	3	3	3	3	-	-
/Z 20°C	SIZE G~L		14	12	10	5	4	3	3	3	6	10	
Load Life	After the rated voltage has been applied for 2000 hours at 85°C		Capacitance change					Within ±25% of initial value					
			D.F. tanδ					200% or less of initial specified value					
			Leakage current					Less than Initial specified value					
Shelf Life	After storage for 1000 hours at 85°C, with no voltage applied and being stabilized at +20°C, Capacitor shall meet the limit specified in load life.												

Diagram of dimensions

SIZE	Dφ	L	A	C	B	W	P±0.2
A	4	5.5	4.3	4.3	5.1	0.5~0.8	1.0
B	5	5.5	5.3	5.3	5.9	0.5~0.8	1.5
C	6.3	5.5	6.6	6.6	7.2	0.5~0.8	2.0
C8	6.3	7.7	6.6	6.6	7.2	0.5~0.8	2.0
D	8	6.5	8.4	8.4	9.0	0.5~0.8	2.2
E	8	10.5	8.4	8.4	9.0	0.7~1.1	3.1
F	10	10.5	10.4	10.4	11.0	0.7~1.3	4.7
G	12.5	13.5	13.0	13.0	13.7	1.1~1.4	4.7
H	12.5	16.0	13.0	13.0	13.7	1.1~1.4	4.6
I	16	16.5	17.0	17.0	18.0	1.1~1.4	6.0
J	16	21.5	17.0	17.0	18.0	1.1~1.4	6.0
K	18	16.5	19.0	19.0	20.0	1.1~1.4	6.4
L	18	21.5	19.0	19.0	20.0	1.1~1.4	6.4

Fig. 1

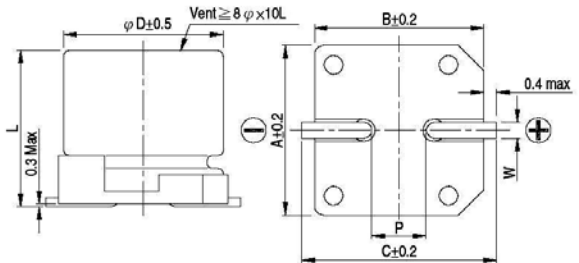
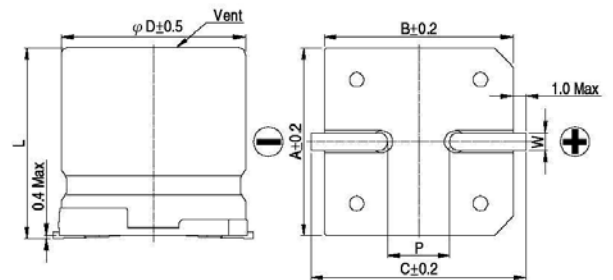


Fig. 2



Size A~F refer to Fig. 1

Size G~L refer to Fig. 2

Part Numbering System

ELV □ □ □ □ □ □ R □
 Series Capacitance Tolerance Rated Voltage Package Case Size

