SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS

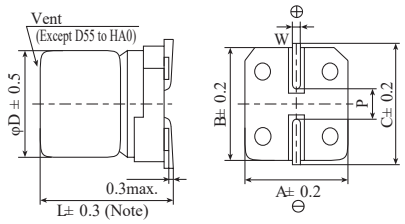
- Endurance : 1,000 to 5,000 hours at 105 □
- Low impedance
- For digital equipment, especially DC-DC converters
- Solvent resistant type except 80 & 100V dc (see PRECAUTIONS AND GUIDELINES)
- Vibration resistant structure
- RoHS Compliant

□ SPECIFICATIONS

Items	Characteristics											
Category Temperature Range	-55 to +105 □ (6.3 to 63V dc) -40 to +105 □ (80 & 100V dc)											
Rated Voltage Range	6.3 to 100V dc											
Capacitance Tolerance	± 20% (M)											(at 20 □ , 120Hz)
Leakage Current	I=0.01CV or 3μA, whichever is greater. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)											(at 20 □ after 2 minutes)
Dissipation Factor (tan δ)	Rated voltage (V dc)		6.3V	10V	16V	25V	35V	50V	63V	80V	100V	When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase.
	tan δ (Max.)	D55 to F80	0.24	0.20	0.16	0.14	0.12	0.12	—	—	—	
		HA0 & JA0	0.28	0.24	0.20	0.16	0.14	0.12	—	—	—	
		KE0 to MN0	0.26	0.22	0.18	0.16	0.14	0.12	0.14	0.10	0.10	(at 20 □ , 120Hz)
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V dc)		6.3V	10V	16V	25V	35V	50V	63V	80V	100V	
	Z(-40 □)/Z(+20 □)	D55 to JA0	3	2	2	2	2	2	—	—	—	
		KE0 to MN0	10	8	6	4	3	3	3	3	3	(at 120Hz)
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20 □ after the rated voltage is applied for specified ime at 105 □ .											
	Time	D55 to F80 : 1,000 hours HA0 & JA0 : 2,000 hours KE0 to MN0 : 5,000 hours										
	Rated voltage	6.3V dc (D55 to JA0)					6.3 to 100V dc					
	Capacitance change	□± 30% of the initial value					□± 20% of the initial value					
	D.F. (tan δ)	□ 300% of the initial specified value					□ 200% of the initial specified value					
	Leakage current	□ The initial specified value					□ The initial specified value					
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20 □ after exposing them for 1,000 hours at 105 □ without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.											
	Rated voltage	6.3V dc (D55 to JA0)					6.3 to 100V dc					
	Capacitance change	□± 30% of the initial value					□± 20% of the initial value					
	D.F. (tan δ)	□ 300% of the initial specified value					□ 200% of the initial specified value					
	Leakage current	□ The initial specified value					□ The initial specified value					

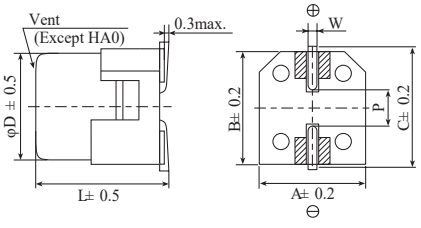
□ DIMENSIONS [mm]

- Terminal Code : A
- Size code : D55 to MN 0



Note : L± 0.5 for HA0 to MN0

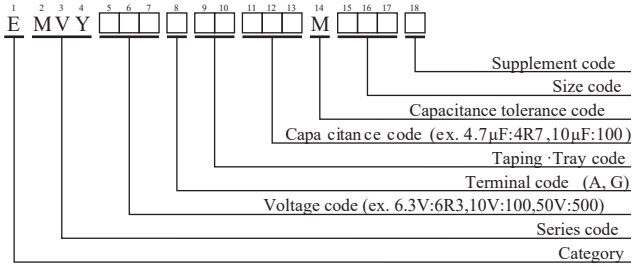
- Terminal Code : G(Vibration resistant structure)
- Size code : HA0 to MN0



▨ : Dummy terminals

Size code	D	L	A	B	C	W	P
D55	4	5.2	4.3	4.3	5.1	0.5 to 0.8	1.0
E55	5	5.2	5.3	5.3	5.9	0.5 to 0.8	1.4
F55	6.3	5.2	6.6	6.6	7.2	0.5 to 0.8	1.9
F61	6.3	5.8	6.6	6.6	7.2	0.5 to 0.8	1.9
F80	6.3	7.7	6.6	6.6	7.2	0.5 to 0.8	1.9
HA0	8	10.0	8.3	8.3	9.0	0.7 to 1.1	3.1
JA0	10	10.0	10.3	10.3	11.0	0.7 to 1.1	4.5
KE0	12.5	13.5	13.0	13.0	13.7	1.0 to 1.3	4.2
KG5	12.5	16.0	13.0	13.0	13.7	1.0 to 1.3	4.2
LH0	16	16.5	17.0	17.0	18.0	1.0 to 1.3	6.5
LN0	16	21.5	17.0	17.0	18.0	1.0 to 1.3	6.5
MH0	18	16.5	19.0	19.0	20.0	1.0 to 1.3	6.5
MN0	18	21.5	19.0	19.0	20.0	1.0 to 1.3	6.5

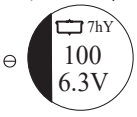
□ PART NUMBERING SYSTEM



Please refer to "Product code guide (surface mount type)"

□ MARKING

EX) 6.3V100 μF



EX) 16V1,000 μF