

Alchip™ - MVK Series

- Endurance : 1,000 to 2,000 hours at 105°C
- Suitable to fit for downsized equipment
- Solvent resistant type
- RoHS Compliant
- MVK series will be discontinued, strongly recommended MVE series

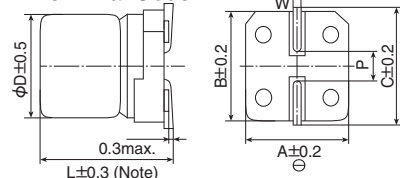


◆SPECIFICATIONS

Items	Characteristics							
Category Temperature Range	-40 to +105°C							
Rated Voltage Range	6.3 to 50V _{dc}							
Capacitance Tolerance	±20% (M) (at 20°C, 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°C after 2 minutes)							
Dissipation Factor (tanδ)	Rated voltage (V _{dc})	6.3V	10V	16V	25V	35V	50V	(at 20°C, 120Hz)
	tanδ (Max.)	D55 to F55 H63 to JA0	0.30 0.40	0.24 0.30	0.20 0.26	0.16 0.16	0.14 0.14	
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})	6.3V	10V	16V	25V	35V	50V	(at 120Hz)
	Z(-25°C)/Z(+20°C)	4	3	2	2	2	2	
	Z(-40°C)/Z(+20°C)	10	8	6	4	3	3	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for the specified period of time at 105°C.							
	Case code	D55 to F55			H63 to JA0			
	Time	1,000hours			2,000hours			
	Capacitance change	≤±30% of the initial value			≤±20% of the initial value			
	D.F. (tanδ)	≤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°C after exposing them for the specified time at 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.							
	Case code	D55 to F55			H63 to JA0			
	Time	500hours			1,000hours			
	Capacitance change	≤±25% of the initial value			≤±20% of the initial value			
	D.F. (tanδ)	≤200% 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



Note : L±0.5 for H63 to JA0

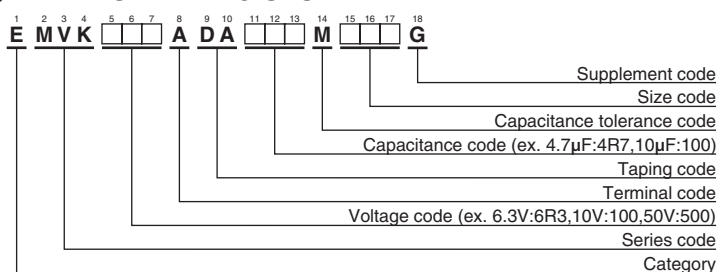
Size code	D	L	A	B	C	W	P
D55	4	5.2	4.3	4.3	5.1	0.5 to 0.8	1.0
E55	5	5.2	5.3	5.3	5.9	0.5 to 0.8	1.4
F55	6.3	5.2	6.6	6.6	7.2	0.5 to 0.8	1.9
H63	8	6.3	8.3	8.3	9.0	0.5 to 0.8	2.3
HA0	8	10.0	8.3	8.3	9.0	0.7 to 1.1	3.1
JA0	10	10.0	10.3	10.3	11.0	0.7 to 1.1	4.5

◆MARKING

EX) 6.3V100μF



◆PART NUMBERING SYSTEM



Specifications in this bulletin are subject to change without notice.