

Alchip™-MVK Series

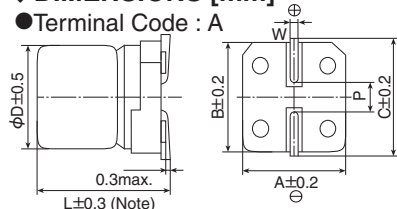
- Endurance : 1,000 to 2,000 hours at 105°C
- Suitable to fit for downsized equipment
- Solvent resistant type
- RoHS Compliant
- MVK series will be discontinued, strongly recommended MVE series

**◆SPECIFICATIONS**

Items	Characteristics								
Category									
Temperature Range	-40 to +105℃								
Rated Voltage Range	6.3 to 50V _{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 (tanδ)	Rated voltage (V _{dc})		6.3V	10V	16V	25V	35V	50V	(at 20℃, 120Hz)
	tanδ (Max.)	D55 to F55	0.30	0.24	0.20	0.16	0.14	0.12	
		H63 to JA0	0.40	0.30	0.26	0.16	0.14	0.12	
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})		6.3V	10V	16V	25V	35V	50V	(at 120Hz)
	Z(-25℃)/Z(+20℃)		4	3	2	2	2	2	
	Z(-40℃)/Z(+20℃)		10	8	6	4	3	3	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage is applied for the specified period of time at 105℃.								
	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℃ after exposing them for the specified time 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.							
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

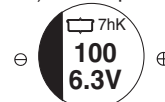


Note : L±0.5 for H63 to JA0

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**