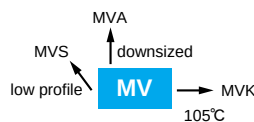


Alchip®-MV Series

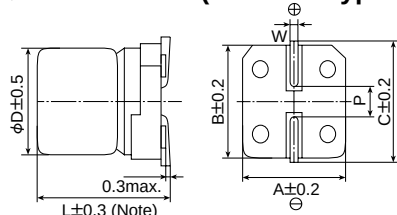
- From 5.5mm height
- Suitable to fit for downsized equipment
- Solvent-proof type (see PRECAUTIONS AND GUIDELINES)



◆ SPECIFICATIONS

Items	Characteristics													
Category Temperature Range	-40 to +85°C													
Rated Voltage Range	4 to 63V _{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})			4V	6.3V	10V	16V	25V	35V	50V	63V	(at 20°C,120Hz)		
	tanδ (Max.)	B55	0.42	0.27	0.23	0.19	0.16	0.14	0.12	—				
		D55 to F60	0.42	0.24	0.20	0.16	0.14	0.12	0.10	0.12				
		H63 to J10	—	0.40	0.30	0.26	0.16	0.14	0.12	0.12				
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})			4V	6.3V	10V	16V	25V	35V	50V	63V	(at 120Hz)		
	Z(-25°C)/Z(+20°C)			7	4	3	2	2	2	2				
	Z(-40°C)/Z(+20°C)	B55	17	10	8	6	4	3	3	—				
		D55 to F60	15	10	8	6	4	3	3	3				
H63 to J10	—	10	8	6	4	3	3	3						
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours (B55 size 1000 hours) at 85°C.													
	Capacitance change		≤±20% of the initial value											
	D.F. (tanδ)		≤200% of the initial specified value											
	Leakage current		≤The initial specified value											
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 85°C without voltage applied.													
	Case code					B55							D55 to J10	
	Capacitance change		≤±20% of the initial value					≤±15% of the initial value						
	D.F. (tanδ)		≤200% of the initial specified value					≤150% of the initial specified value						
	Leakage current		≤The initial specified value					≤The initial specified value						

◆DIMENSIONS (Terminal Type=VC) [mm]

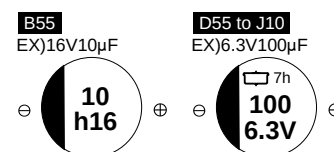


Note : $L \pm 0.5$ for H63, H10 and J10

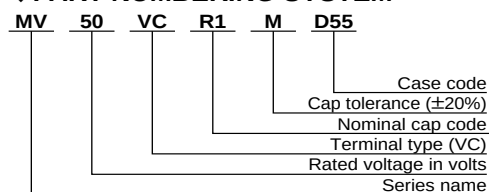
Case code	D	L	A	B	C	W	P
B55	3	5.2	3.3	3.3	3.7	0.45 to 0.75	0.8
D55 & D60	4	*5.2	4.3	4.3	5.1	0.5 to 0.8	1.0
E55 & E60	5	*5.2	5.3	5.3	5.9	0.5 to 0.8	1.4
F55 & F60	6.3	*5.2	6.6	6.6	7.2	0.5 to 0.8	1.9
H63	8	6.3	8.3	8.3	9.0	0.5 to 0.8	2.3
H10	8	10.0	8.3	8.3	9.0	0.7 to 1.1	3.1
J10	10	10.0	10.3	10.3	11.0	0.7 to 1.1	4.5

* : $L=5.7$ for D60, E60 and F60

◆ MARKING



◆PART NUMBERING SYSTEM



Capacitance	Code
0.1 μ F	R1
0.47 μ F	R47
1.0 μ F	1
4.7 μ F	4R7
10 μ F	10
100 μ F	100
1000 μ F	1000

◆ STANDARD RATINGS

μF	V_{dc}	4		6.3		10		16		25		35		50		63			
0.1														B55	D55	1.0	1.3	D55	1.3
0.15														B55	D55	2.0	2.0	D55	2.0
0.22														B55	D55	2.0	2.9	D55	2.9
0.33														B55	D55	3.0	3.5	D55	3.5
0.47														B55	D55	3.8	4.2	D55	4.2
0.68														B55	D55	4.6	5.1	D55	5.1
1.0														B55	D55	5.6	6.2	D60	7.0
1.5														B55	D55	6.9	7.5	D60	8.4
2.2														B55	D55	8.3	10	D60	10
3.3														B55	D55	10.5	15	F55	19
4.7														B55	D55	15	20	F55	24
6.8														B55	D55	20	25	F55	29
10														B55	D55	25	33	F55	33
15														B55	D55	33	40	F55	40
22														B55	D55	40	55	H63	95
33														B55	D55	55	65	H63	105
47														B55	D55	65	78	H63	115
68														B55	D55	78	105	H63	125
100														B55	D55	105	145	H63	175
220														B55	D55	145	215	H63	265
330														B55	D55	215	270	H63	330
470														B55	D55	270	330	H63	330
1.000														B55	D55	330	330	H63	330

Note : $\rightarrow$ Use next higher voltage part.