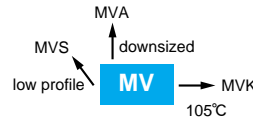


Alchip-MV Series

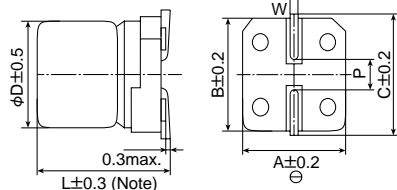
- From 5.5mm height
- Suitable to fit for downsized equipment
- Solvent-proof type (see PRECAUTIONS AND GUIDELINES)



SPECIFICATIONS

Items	Characteristics	
Category	Surface Mount	
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
	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
	Z(-25°C)/Z(+20°C)	7 4 3 2 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]

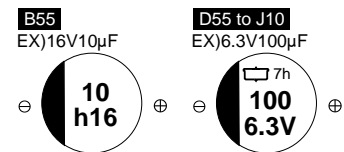


Case code	D	L	A	B	C	W	P
B55	3	5.2	3.3	3.3	3.7	0.45 to 0.75	0.8
D55 & D60	4	*5.2	4.3	4.3	5.1	0.5 to 0.8	1.0
E55 & E60	5	*5.2	5.3	5.3	5.9	0.5 to 0.8	1.4
F55 & F60	6.3	*5.2	6.6	6.6	7.2	0.5 to 0.8	1.9
H63	8	6.3	8.3	8.3	9.0	0.5 to 0.8	2.3
H10	8	10.0	8.3	8.3	9.0	0.7 to 1.1	3.1
J10	10	10.0	10.3	10.3	11.0	0.7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

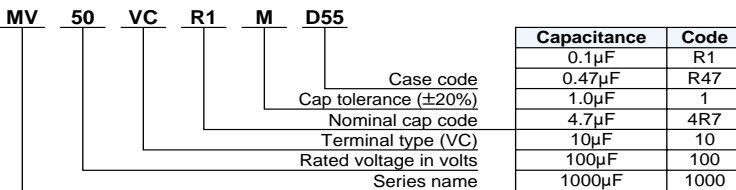
* : L=5.7 for D60, E60 and F60.

Note : L±0.5 for φ8×6 (H63), φ8×10 (H10) & φ10×10 (J10).

MARKING



PART NUMBERING SYSTEM



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 7.7	B55;D55 8.3;10	D60 10
3.3							B55 9.4	D55 14	E60 13
4.7							B55 10.5	D55 15	E55 19
6.8							D55 16	E55 20	F55 24
10									F60 21
15				B55 12.8	B55;D55 14;17				
22		B55 14	B55;D55 17.5;23	D55 20	E55 26				
33	B55 23	D55 23		E55 35					
47	D55 27	E55 38		F55 54	F60 70				
68	E55 38			F60 70	F60 70				
100	E55 46	F55 60		H63 175	H10 215				
220	F55 74								
330									
470									
1,000									

Note : → Use next higher voltage part.