

Surface Mount Type

Series: **MC** Type : **V**

■ **Features** Endurance : 85°C 1000 h
4.6 mm Max. height

■ **Specifications**

Low profile

MC

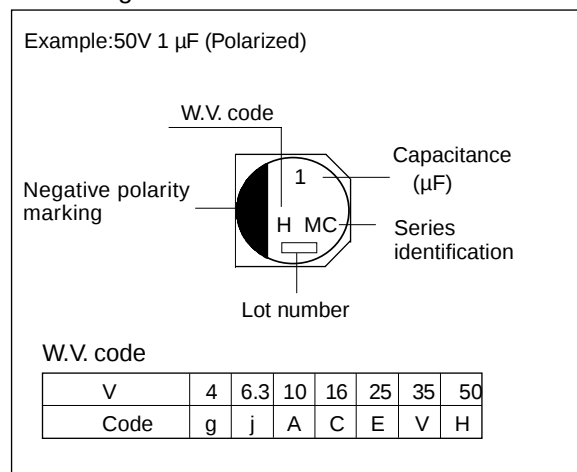
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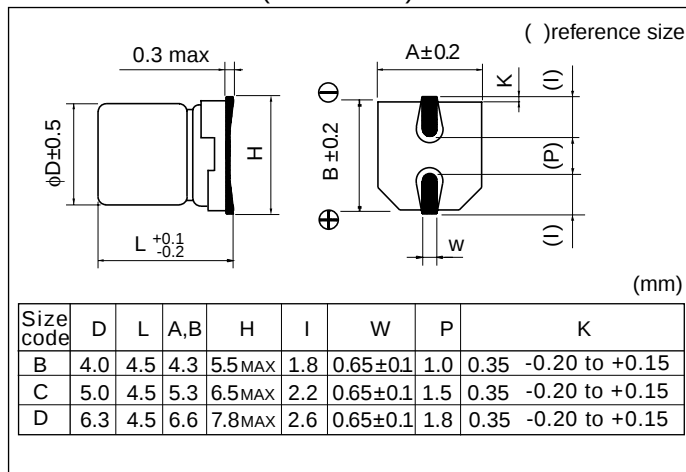


Category temp. range	-40 to +85°C								
Rated W.V. Range	4 to 50 V .DC								
Nominal Cap. Range	0.1 to 220 μ F								
Capacitance Tolerance	±20 % (120Hz/+20°C)								
DC Leakage Current	I ≤ 0.01 CV or 3(μ A) after 2 minutes (Whichever, greater)								
tan δ	Please see the attached standard production list								
Characteristics at Low Temperature	W.V. (V)	4	6.3	10	16	25	35	50	(Impedance ratio at 120Hz)
	-25 / +20 °C	7	4	3	2	2	2	2	
	-40 / +20 °C	15	8	8	4	4	3	3	
Endurance	After applying rated working voltage for 1000 hours at +85±2°C and then being stabilized at +20°C, capacitors shall meet the following limits.								
	Capacitance change		±20% of initial measured value(4W.V.:±30%)						
	tan δ		≤ 300 % of initial specified value						
	DC leakage current		≤ initial specified value						
Shelf Life	After storage for 1000 hours at +85±2°C with no voltage applied and then being stabilized at +20°C, capacitors shall meet the limits specified in “Endurance”.(With voltage treatment)								
Resistance to Soldering Heat	After reflow soldering (Refer to page 20 for recommendable temperature profile.) and then being stabilized at +20°C, capacitor shall meet the following limits.								
	Capacitance change		±10% of initial measured value						
	tan δ		≤ initial specified value						
	DC leakage current		≤ initial specified value						

■ Marking



■ Dimensions in mm (not to scale)



■ Case size

W.V.(V) Cap. (μF)	4 (0G)	6.3 (0J)	10 (1A)	16 (1C)	25 (1E)	35 (1V)	50 (1H)
0.1							B
0.22							B
0.33							B
0.47							B
1.0							B
2.2							B
3.3							B
4.7					B	B	C
10				B	C	C	D
22		B		C	D	D	
33	B		C		D		
47	B	C		D			
100	C	D					
220	D						

Design, Specifications are subject to change without notice. Ask factory for technical specifications before purchase and/or use. Whenever a doubt about safety arises from this product, please inform us immediately for technical consultation without fail.

■ Standard Products

W.V. (V)	Cap. (±20%) (μF)	Case size			Specification		Part No.	Min. Packaging Q'ty
		Dia. (mm)	Length (mm)	Size code	Ripple current (120Hz) (+85°C) (mA)	Tanδ (120Hz) (+20°C)		Taping (pcs)
4	33	4	4.5	B	26	0.50	EEVMC0G330R	2000
	47	4	4.5	B	34	0.50	EEVMC0G470R	2000
	100	5	4.5	C	61	0.50	EEVMC0G101R	2000
	220	6.3	4.5	D	82	0.50	EEVMC0G221P	1000
6.3	22	4	4.5	B	29	0.30	EEVMC0J220R	2000
	47	5	4.5	C	46	0.30	EEVMC0J470R	2000
	100	6.3	4.5	D	71	0.30	EEVMC0J101P	1000
10	33	5	4.5	C	43	0.24	EEVMC1A330R	2000
16	10	4	4.5	B	28	0.19	EEVMC1C100R	2000
	22	5	4.5	C	39	0.19	EEVMC1C220R	2000
	47	6.3	4.5	D	70	0.19	EEVMC1C470P	1000
25	4.7	4	4.5	B	22	0.16	EEVMC1E4R7R	2000
	10	5	4.5	C	28	0.16	EEVMC1E100R	2000
	22	6.3	4.5	D	55	0.16	EEVMC1E220P	1000
	33	6.3	4.5	D	65	0.16	EEVMC1E330P	1000
35	4.7	4	4.5	B	22	0.14	EEVMC1V4R7R	2000
	10	5	4.5	C	30	0.14	EEVMC1V100R	2000
	22	6.3	4.5	D	60	0.14	EEVMC1V220P	1000
50	0.1	4	4.5	B	1	0.14	EEVMC1HR10R	2000
	0.22	4	4.5	B	2	0.14	EEVMC1HR22R	2000
	0.33	4	4.5	B	3	0.14	EEVMC1HR33R	2000
	0.47	4	4.5	B	5	0.14	EEVMC1HR47R	2000
	1	4	4.5	B	10	0.14	EEVMC1H1R0R	2000
	2.2	4	4.5	B	16	0.14	EEVMC1H2R2R	2000
	3.3	4	4.5	B	16	0.14	EEVMC1H3R3R	2000
	4.7	5	4.5	C	23	0.14	EEVMC1H4R7R	2000
	10	6.3	4.5	D	35	0.14	EEVMC1H100P	1000

The taping dimension are explained on p.42 of our Catalog.

Please use it as a reference guide.

Endurance : 85°C 1000h