

EECTECH high quality composite mica paper capacitors

Working environment temperature: -55°C +125°C (special for optional, up to 250°C)

Loss tangent value: $\text{tg } \delta$ (under normal weather conditions)

$$\text{CR} \leq 1.5\text{nF} \quad \leq 70 \times 10^{-4} \quad (1\text{KHz})$$

$$\text{CR} > 1.5\text{nF} \quad \leq 50 \times 10^{-4} \quad (1\text{KHz})$$

Insulation resistance: (under normal weather conditions)

$$\text{CR} \leq 0.22\mu\text{F} \quad \geq 25000\text{M}\Omega$$

$$\text{CR} > 0.22\mu\text{F} \quad \geq 5000\text{M}\Omega.\text{Uf}$$

DC test voltage (room temperature):

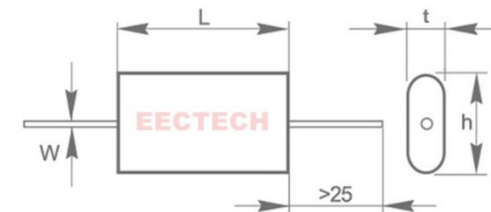
withstand 1.6/1.5 times the rated working voltage for 1 minute, without breakdown or arcing

(1.5 times for ECV 97, the rest series is 1.6times)

Remarks: Size tolerance: $h^* < 20\text{mm} = +2\text{mm}$ $h^* > 20\text{mm} = \pm 2\text{mm}$

$$t^* \leq 10\text{mm} = \pm 1\text{mm} \quad t^* > 10\text{mm} = \pm 2\text{mm}$$

Capacitance tolerance: $\pm 5\% \text{ J}$ $\pm 10\% \text{ K}$



ECV composite mica paper capacitors @EECTECH (main capacitance/voltage)

Series	Capacitance range	Working voltage (DC)
ECV 72	100pF---4.7uF	630V---25000V
ECV 77	470pF---0.33uF	1000V---5000V
ECV 96	1000pF---0.12uF	3000V---10000V
ECV 76	330pF---2.2uF	1000V---10000V
ECV 78	330pF---1.5uF	630V---10000V
ECV 86	100pF---2.2uF	1500V---20000V
ECV 97	100pF---2.2uF	1500V---20000V



<i>ECV-76 Mica capacitors @ EECTECH</i>											
Size (mm)				Working voltage (DC) & Capacitance (C ^R)							
				1000V	1500V	2500V	3500V	5000V	7500V	10000V	
L	h*	t*	W	C ^R	C ^R	C ^R	C ^R	C ^R	C ^R	C ^R	C ^R
25	9	3	0.8	4700 pF	3300 pF	2200 pF	1000 pF	470 pF			
25	10	4	0.8	6800 pF	4700 pF	3300 pF	1500 pF	680 pF			
25	12	6	0.8	10000 pF	6800 pF	4700 pF	2200 pF	1000 pF			
35	10	4	1	15000 pF	10000pF	6800 pF	3300 pF	1500 pF	680 pF		330 pF
35	12	6	1	22000 pF	15000 pF	10000 pF	4700 pF	2200 pF	1000 pF		470 pF
35	16	6	1	33000 pF	22000 pF	15000 pF	6800 pF	3300 pF	1500 pF		680 pF
35	17	7	1	47000 pF	33000 pF	22000 pF	10000 pF	4700 pF	2200 pF		1000 pF
35	23	7	1	68000 pF	47000 pF	33000 pF	15000 pF	6800 pF	3300 pF		1500 pF
35	25	9	1	0.1uF	68000 pF	47000 pF	22000 pF	10000 pF	4700 pF		2200 pF
35	38	8	1	0.15uF	0.1uF	68000 pF	33000 pF	15000 pF	6800 pF		3300 pF
35	41	11	1	0.22uF	0.15uF	0.1uF	47000 pF	22000 pF	10000 pF		4700 pF
61	37	7	1	0.33uF	0.22uF	0.15uF	68000 pF	33000 pF	15000 pF		6800 pF
61	48	8	1	0.47uF	0.33uF	0.22uF	0.1uF	47000 pF	22000 pF		10000 pF
61	50	10	1	0.68uF	0.47uF	0.33uF	0.15uF	68000 pF	33000 pF		15000 pF
61	53	13	1	1uF	0.68uF	0.47uF	0.22uF	0.1uF	47000 pF		22000 pF
100	50	10	1.2	1.5uF	1uF	0.68uF	0.33uF	0.15uF	68000 pF		33000 pF
100	48	16	1.2	2.2uF	1.5uF	1uF	0.47uF	0.22uF	0.1uF		47000 pF

Please contact EECTECH if not find the wanted parameters, we offer tailor-made service, thank you.

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<i>ECV-78 Mica capacitors @ EECTECH</i>												
Size (mm)				Working voltage (DC) & Capacitance (C ^R)								
				630V	1000V	1500V	2500V	3500V	5000V	7500V	10000V	
L	h*	t*	W	C ^R	C ^R	C ^R	C ^R	C ^R	C ^R	C ^R	C ^R	C ^R
35	10	4	1	22000pF	15000 pF	10000 pF	6800 pF	3300 pF	1500 pF	680 pF	330 pF	
35	12	6	1	33000 pF	22000 pF	15000 pF	10000 pF	4700 pF	2200 pF	1000 pF	470 pF	
35	16	6	1	47000 pF	33000 pF	22000 pF	15000 pF	6800 pF	3300 pF	1500 pF	680 pF	
35	17	7	1	68000 pF	47000 pF	33000 pF	22000 pF	10000 pF	4700 pF	2200 pF	1000 pF	
35	23	7	1	0.1uF	68000 pF	47000 pF	33000 pF	15000 pF	6800 pF	3300 pF	1500 pF	
35	25	9	1	0.15uF	0.1uF	68000 pF	47000 pF	22000 pF	10000 pF	4700 pF	2200 pF	
35	38	8	1	0.22uF	0.15uF	0.1uF	68000 pF	33000 pF	15000 pF	6800 pF	3300 pF	
35	41	11	1	0.33uF	0.22uF	0.15uF	0.1uF	47000 pF	22000 pF	10000 pF	4700 pF	
61	37	7	1	0.47uF	0.33uF	0.22uF	0.15uF	68000 pF	33000 pF	15000 pF	6800 pF	
61	48	8	1	0.68uF	0.47uF	0.33uF	0.22uF	0.1uF	47000 pF	22000 pF	10000 pF	
61	50	10	1	1.0uF	0.68uF	0.47uF	0.33uF	0.15uF	68000 pF	33000 pF	15000 pF	
61	53	13	1	1.5uF	1.0uF	0.68uF	0.47uF	0.22uF	0.1uF	47000 pF	22000 pF	
79	51	11	1.2		1.5uF	1.0uF	0.68uF	0.33uF	0.15uF	68000 pF	33000 pF	
79	48	18	1.2			1.5uF	1.0uF	0.47uF	0.22uF	0.1uF	47000 pF	

<i>ECV-86 Mica capacitors @ EECTECH</i>												
Size (mm)				Working voltage (DC) & Capacitance (C ^R)								
				1500V	2500V	3500V	5000V	7500V	10000V	12500V	15000V	20000V
L	h*	t*	W	C ^R	C ^R	C ^R	C ^R	C ^R	C ^R	C ^R	C ^R	C ^R
25	12	4	1	22000pF	15000 pF	10000 pF	4700 pF					
35	10	4	1	33000 pF	22000 pF	15000 pF	6800 pF	2200 pF	1000 pF	680 pF		
35	12	6	1	47000 pF	33000 pF	22000 pF	10000 pF	3300 pF	1500 pF	1000 pF	470 pF	
35	16	6	1	68000 pF	47000 pF	33000 pF	15000 pF	4700 pF	2200 pF	1500 pF	680 pF	
35	24	6	1	0.1uF	68000 pF	47000 pF	22000 pF	6800 pF	3300 pF	2200 pF	1000 pF	
35	30	8	1	0.15uF	0.1uF	68000 pF	33000 pF	10000 pF	4700 pF	3300 pF	1500 pF	
35	40	8	1	0.22uF	0.15uF	0.1uF	47000 pF	15000 pF	6800 pF	4700 pF	2200 pF	
61	20	4	1	0.15uF	0.1uF	68000 pF	33000 pF	10000 pF	4700 pF	3300pF	1500 pF	680 pF
61	22	6	1	0.22uF	0.15uF	0.1uF	47000 pF	15000 pF	6800 pF	4700pF	2200 pF	1000 pF
61	24	8	1	0.33uF		0.15uF	68000 pF	22000 pF	10000 pF	6800 pF	3300 pF	1500 pF
61	38	8	1	0.47uF	0.22uF		0.1uF	33000 pF	15000 pF	10000 pF	4700 pF	2200 pF
61	45	8	1		0.33uF	0.22uF		47000 pF	22000 pF	15000 pF	6800 pF	3300 pF
79	45	8	1.2	0.68uF	0.47uF	0.33uF	0.15uF	68000 pF	33000 pF	22000 pF	10000 pF	4700 pF
79	47	10	1.2	1uF	0.68uF	0.47uF	0.22uF	0.1uF	47000 pF	33000 pF	15000 pF	6800 pF
105	47	10	1.2	1.5uF	1uF	0.68uF	0.33uF	0.15uF	68000 pF	47000 pF	22000 pF	10000 pF
105	50	14	1.2	2.2uF	1.5uF	1uF	0.47uF	0.22uF	0.1uF	68000 pF	33000 pF	15000 pF



<i>ECV-97 Mica capacitors @ EECTECH</i>												
Size (mm)				Working voltage (DC) & Capacitance (C ^R)								
				1500V	2500V	3500V	5000V	7500V	10000V	12500V	15000V	20000V
L	h*	t*	W	C ^R	C ^R	C ^R	C ^R	C ^R	C ^R	C ^R	C ^R	C ^R
25	12	4	1	22nF	15 nF	6.8 nF	3300 pF					
35	12	3.5	1	33 nF	22 nF	10 nF	4700 pF	2200 pF	1000 pF	1000 pF		
35	12	3.5	1	47 nF	33 nF	15 nF	6800 pF	3300 pF	1500 pF			
35	12	6	1	68 nF	47 nF	22 nF	10 nF	4700 pF	2200 pF	1500 pF	1000 pF	
35	12	6	1	0.1uF	68 nF	33 nF	15 nF	6800 pF	3300 pF	2200 pF	1500 pF	
35	16	6	1	0.15uF	0.1uF	47 nF	22 nF	10 nF	4700 pF	3300 pF	2200 pF	
35	24	8	1	0.22uF	0.15uF	68 nF	33nF	15 nF	6800 pF	4700 pF	3300 pF	
35	30	8	1	0.33uF	0.22uF	0.1uF	47 nF	22 nF	10 nF	6800 pF	4700 pF	
61	40	4	1			68 nF	33 nF	15 nF	6800 pF	4700 pF	3300 pF	100 pF
61	20	4	1									150 pF
61	20	4	1									220 pF
61	20	4	1									330 pF
61	20	4	1									470 pF
61	20	4	1									680 pF
61	20	4	1									1000 pF
61	20	4	1									1500 pF
61	22	6	1	0.22uF	0.15uF	0.1uF	47 nF	22 nF	10 nF	6800 pF	4700 pF	2200 pF
61	24	8	1	0.33uF	0.22uF	0.15uF	68 nF	33 nF	15 nF	10 nF	6800 pF	3300 pF
61	30	8	1	0.47uF	0.33uF	0.22uF	0.1uF	47 nF	22nF	15 nF	10 nF	4700 pF
61	45	8	1	0.68uF	0.47uF	0.33uF	0.15uF	68 nF	33 nF	22 nF	15 nF	6800 pF
79	45	8	1.2	1uF	0.68uF	0.47uF	0.22uF	0.1uF	47 nF	33 nF	22 nF	10 nF
79	47	10	1.2	1.5uF	1uF	0.68uF	0.33uF	0.15uF	68 nF	47 nF	33 nF	15 nF
105	47	10	1.2	2.2uF	1.5uF	1uF	0.47uF	0.22uF	0.1uF	68 nF	47 nF	22 nF
105	50	14	1.2			1.5uF	0.68uF	0.33uF	0.15uF	0.1uF	68 nF	33 nF