

# Miniature Metallized Polyester Film Capacitors



**MPEM Series**  
(Radial Dipped)

**MERITEK**

## FEATURES

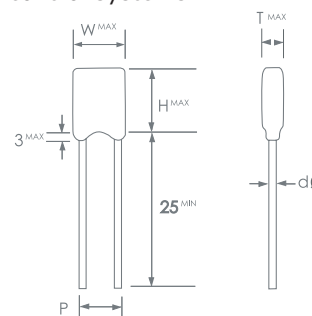
- Space saving miniature size
- Non-inductive construction
- Self-healing properties
- Good solderability
- Available on tape and reel for automatic insertion

## SPECIFICATIONS

1. Operating temperature: -40°C to +85°C
2. Capacitance range: 0.01μF to 1.0μF
3. Capacitance tolerance: ±5%(J), ±10%(K), ±20%(M)
4. Rated voltage: 50VDC, 63VDC, 100VDC, 250VDC
5. Dissipation factor: 1.0% max. at 1KHz, 25°C
6. Insulation resistance: >10000MΩ (C ≤ 0.33 μF)  
> 3300MΩ • μF (C > 0.33 μF)



**MPEM** are constructed with a special metallized polyester film dielectric, tinned copper leads, and an epoxy resin coating. They are suitable for blocking, circuit isolation, bypassing, filtering, and signal coupling and decoupling. MPEM are ideal for use in telecommunication equipment, data processing equipment, industrial instruments, and automatic control systems.



Dimensions in millimeters (mm)

	MPEM	154	K	1J	TR	-5
Meritek Series						
Capacitance						
CODE	103	104	105			
(pF)	10,000	100,000				
(nF)	10	100	1000			
(μF)	0.01	0.1	1			
Tolerance						
CODE	J	K	M			
Tolerance (%)	±5	±10	±20			
Rated Voltage						
CODE	1H	1J	2A	2E		
	50V	63V	100V	250V		
Packaging						
CODE	Blank	TR	TA			
	Bulk	Tape & Reel	Tape & Ammo			
Lead spacing (optional)						
CODE	-5	-7.5				
	5mm	7.5mm				

RV	50VDC/63VDC				100VDC				250VDC			
DIM.	W	H	T	P	W	H	T	P	W	H	T	P
0.010					7.5	7.5	3.5	5.0				
0.012					7.5	7.5	3.5	5.0				
0.015					7.5	7.5	3.5	5.0				
0.018					7.5	7.5	3.5	5.0	10.0	8.5	4.0	7.5
0.022					7.5	7.5	3.5	5.0	10.0	8.5	4.0	7.5
0.027					7.5	7.5	3.5	5.0	10.0	8.5	4.0	7.5
0.033					7.5	7.5	3.5	5.0	10.0	8.5	4.0	7.5
0.039					7.5	7.5	3.5	5.0	10.0	8.5	4.0	7.5
0.047	7.5	7.5	3.5	5.0	7.5	7.5	3.5	5.0	10.0	8.5	4.0	7.5
0.056	7.5	7.5	3.5	5.0	7.5	7.5	3.5	5.0				
0.068	7.5	7.5	3.5	5.0	7.5	7.5	3.5	5.0				
0.082	7.5	7.5	3.5	5.0	7.5	8.0	4.0	5.0				
0.10	7.5	7.5	3.5	5.0	7.5	8.5	4.0	5.0				
0.12	7.5	7.5	3.5	5.0								
0.15	7.5	8.0	4.0	5.0								
0.18	7.5	8.5	4.5	5.0								
0.22	7.5	8.5	4.5	5.0								
0.27	7.5	9.0	5.0	5.0								
0.33	7.5	9.5	5.5	5.0								
0.39	7.5	9.5	5.5	5.0								
0.47	7.5	9.5	6.0	5.0								
0.56	7.5	9.5	6.0	5.0								
0.68	7.5	9.5	6.0	5.0								
0.82	7.5	10.0	6.0	5.0								
1.0	7.5	10.5	6.0	5.0								