

# ME

## Metallized Polyester Motor Run/AC Film Capacitors In Boxes



### APPLICATIONS

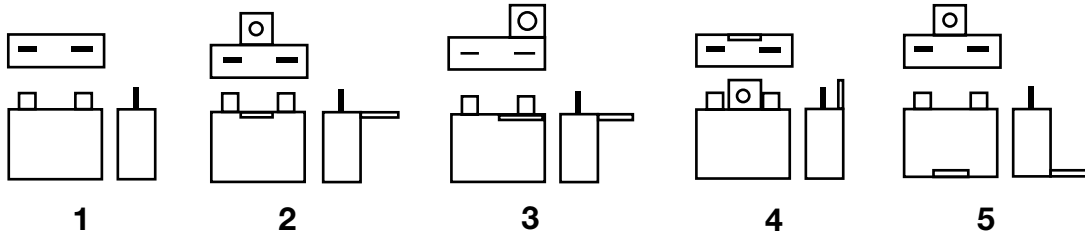
- Motor Run
- General Purpose AC
- Motor Speed Controls
- Switching Capacitor for Industrial Controls

### FEATURES

- Small Size
- Safety Agency Approved
- Multiple Box Styles
- Self Healing
- Multiple Lead Styles

### SPECIFICATIONS

Operating Temperature Range	-25°C to +70°C for use with approvals -25°C to +85°C for use without approvals							
Capacitance Tolerance	±10% at 1kHz, 20°C ±5%, +10%/-5% optional							
AC Voltage	VAC	250	350	400	450	500	600	
Note VAC must be de-rated by 1.25% per °C exceeding 70°C								
Dissipation Factor (tan δ)	1.0% Max at 1 kHz and 20°C							
Insulation Resistance @20°C (<70% RH) for 1 minute at 100VDC applied	1000MΩµF							
Dielectric Strength	Terminal to Terminal				Terminal to Case			
	160% VAC for 60 Seconds and 20°C applied between terminals				3KV at 60Hz for 60 Seconds applied between terminals and case			
Load Life	125% of rated VAC at 70°C 600 hours for class A (3000 hours of continuous service life)							
Construction	Metallized Polyester film							
Electrodes	Vacuum deposited metal layers							
Coating	Solvent resistant plastic case (UL 94V-0) with epoxy end fill (UL 94V-0)							
Certification	UL E311560							



Additional mounting tabs styles and lead terminations available.  
Contact Illinois Capacitor, Inc. for details.



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Motor Run/AC film  
Capacitors in Boxes

## PHYSICAL DIMENSIONS

VAC (µF)	250	350	400	450	500	600
1	32x15x10	31x20x10	38x22x10	38x24x12	38x27x14	38x27x17
3	32x24x13	32x27x16	48x27x16	→	38x32x22	48x40x28
5	38x26x14	38x29x17	48x30x20	48x34x24	48x35x25	58x37x27
7	38x29x18	38x32x22	48x35x25	48x37x28	48x40x30	58x42x32
10	38x33x20	48x32x20	48x40x30			
15	47x34x23	48x34x24	58x42x32			
20	51x35x24	58x35x24	58x45x34			
25	51x38x27	58x38x26	68x47x35			
30	58x40x30	58x39x28				
35	58x42x30	68x38x24				
40	58x42x31	68x40x30				
45	68x40x30					

Convert to inches divide by 25.4

LxHxT (mm)

**\*Customized capacitors available upon request.  
Contact Illinois Capacitor Inc. for details.**

## STANDARD PART LISTING

Capacitance (µF)	VAC	IC <sup>®</sup> PART NUMBER	LxHxT (mm)
1	250	105ME#250K##	32x15x10
1	350	105ME#350K##	31x20x10
1	400	105ME#400K##	38x22x10
1	450	105ME#450K##	38x24x12
1	500	105ME#500K##	38x27x14
1	600	105ME#600K##	38x27x17
3	250	305ME#250K##	32x24x13
3	350	305ME#350K##	32x27x16
3	400	305ME#400K##	48x27x16
3	500	305ME#500K##	38x32x22
3	600	305ME#600K##	48x40x28
5	250	505ME#250K##	38x26x14
5	350	505ME#350K##	38x29x17
5	400	505ME#400K##	48x30x20
5	450	505ME#450K##	48x34x24
5	500	505ME#500K##	48x35x25
5	600	505ME#600K##	58x37x27
7	250	705ME#250K##	38x29x18
7	350	705ME#350K##	38x32x22
7	400	705ME#400K##	48x35x25
7	450	705ME#450K##	48x37x28

Capacitance (µF)	VAC	IC <sup>®</sup> PART NUMBER	LxHxT (mm)
7	500	705ME#500K##	48x40x30
7	600	705ME#600K##	58x42x32
10	250	106ME#250K##	38x33x20
10	350	106ME#350K##	48x32x20
10	400	106ME#400K##	48x40x30
15	250	156ME#250K##	47x34x23
15	350	156ME#350K##	48x34x24
15	400	156ME#400K##	58x42x32
20	250	206ME#250K##	51x35x24
20	350	206ME#350K##	58x35x24
20	400	206ME#400K##	58x45x34
25	250	256ME#250K##	51x38x27
25	350	256ME#350K##	58x38x26
25	400	256ME#400K##	68x47x35
30	250	306ME#250K##	58x40x30
30	350	306ME#350K##	58x39x28
35	250	356ME#250K##	58x42x30
35	350	356ME#350K##	68x38x24
40	250	406ME#250K##	58x42x31
40	350	406ME#350K##	68x40x30
45	250	456ME#250K##	68x40x30