

ME

Metallized Polyester Motor Run/AC Film Capacitors In Boxes



APPLICATIONS

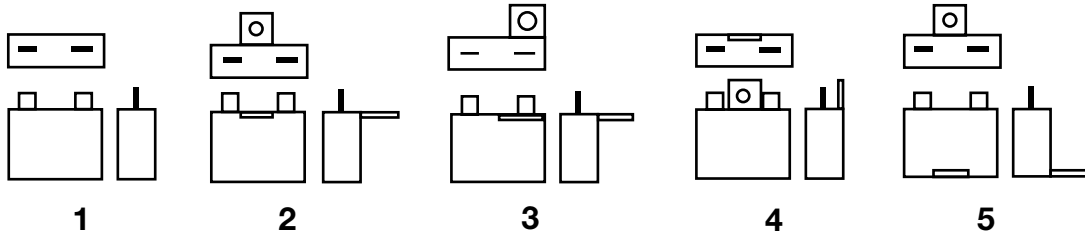
- Motor Run
- General Purpose AC
- Motor Speed Controls
- Switching Capacitor for Industrial Controls

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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PHYSICAL DIMENSIONS

| VAC (μ F) | 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 (μ F) | VAC | IC [®] 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 (μ F) | VAC | IC [®] 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 |

