

MER

Metallized Polyester MOTOR RUN/AC Film Capacitors in Round Tubes



APPLICATIONS

- *Motor Run*
- *General Purpose AC*
- *UL/CSA 810 approved*
- *Motor Speed Controls*
- *Switching capacitor for industrial controls*

SPECIFICATIONS

Operating Temperature Range		-25°C to +85°C						
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		1000MΩxμF						
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						



ILLINOIS CAPACITOR, INC.

3757 W. Touhy Ave., Lincolnwood, IL 60712 • (847) 675-1760 • Fax (847) 673-2850 • www.illcap.com

MER

Metallized Polypropylene
MOTOR RUN/AC Film
Capacitors in Round
Tubes

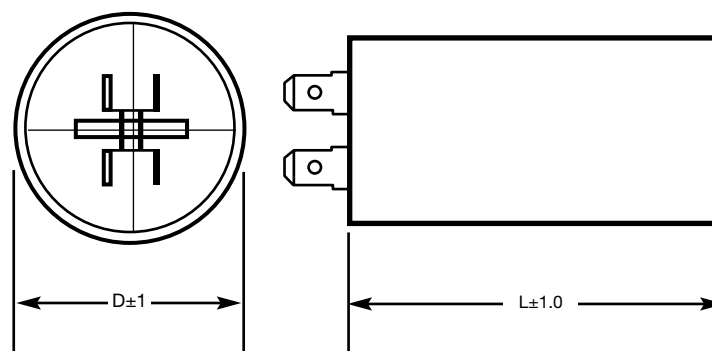
PHYSICAL DIMENSIONS

VAC (μ F)	250	350	400	450	500	600
1	→	15x30	20x40	→	→	25x40
3	20x30	23x30	25x40	→	30x40	35x40
5	→	25x40	→	35x40	30x50	40x50
7	25x40	27x40	30x50	→	35x50	40x60
10	→	30x40	→	→	40x50	45x60
15	→	30x50	→	40x50	40x60	45x70
20	30x50	30x60	→	45x50	45x60	50x70
25	35x50	32x60	→	45x60	50x60	50x85
30	35x55	34x60	→	45x60	50x60	50x85
35	35x60	33x70	→	50x60	50x70	
40	40x60	36x70	→	→	50x70	
45	40x60	37x70	50x70	55x70		
50	40x65	38x70	50x70	55x85		
55	40x70	41x70	55x70			
60	→	41x70	55x70			
65	→	43x70	55x85			
70	45x70	42x100	55x85			
75	→	43x100	55x85			
80	→	45x100	55x85			
85	45x100	41x120	55x85			
90	45x100	41x130	55x85			
100	45x110	42x130	55x85			

Convert to inches divide by 25.4

DxL (mm)

**Additional Case styles and lead terminations available.
Contact Illinois Capacitor, Inc. for details.**



MER

Metallized Polypropylene
MOTOR RUN/AC Film
Capacitors in Round
Tubes

STANDARD PART LISTING

Capacitance (μ F)	VAC	ic ® PART NUMBER	DxL (mm)
1	350	105MER350K##	15x30
1	400	105MER400K##	20x40
1	600	105MER600K##	25x40
3	250	305MER250K##	20x30
3	350	305MER350K##	23x30
3	400	305MER400K##	25x40
3	500	305MER500K##	30x40
3	600	305MER600K##	35x40
5	350	505MER350K##	25x40
5	450	505MER450K##	35x40
5	500	505MER500K##	30x50
5	600	505MER600K##	40x50
7	250	705MER250K##	25x40
7	350	705MER350K##	27x40
7	400	705MER400K##	30x50
7	500	705MER500K##	35x50
7	600	705MER600K##	40x60
10	350	106MER350K##	30x40
10	500	106MER500K##	40x50
10	600	106MER600K##	45x60
15	350	156MER350K##	30x50
15	450	156MER450K##	40x50
15	500	156MER500K##	40x60
15	600	156MER600K##	45x70
20	250	206MER250K##	30x50
20	350	206MER350K##	30x60
20	450	206MER450K##	45x50
20	500	206MER500K##	45x60
20	600	206MER600K##	50x70
25	250	256MER250K##	35x50
25	350	256MER350K##	32x60
25	450	256MER450K##	45x60
25	500	256MER500K##	50x60
25	600	256MER600K##	50x85
30	250	306MER250K##	35x55
30	350	306MER350K##	34x60
30	450	306MER450K##	45x60
30	500	306MER500K##	50x60
30	600	306MER600K##	50x85

Capacitance (μ F)	VAC	ic ® PART NUMBER	DxL (mm)
35	250	356MER250K##	35x60
35	350	356MER350K##	33x70
35	450	356MER450K##	50x60
35	500	356MER500K##	50x70
40	250	406MER250K##	40x60
40	350	406MER350K##	36x70
40	500	406MER500K##	50x70
45	250	456MER250K##	40x60
45	350	456MER350K##	37x70
45	400	456MER400K##	50x70
45	450	456MER450K##	55x70
50	250	506MER250K##	40x65
50	350	506MER350K##	38x70
50	400	506MER400K##	50x70
50	450	506MER450K##	55x85
55	250	556MER250K##	40x70
55	350	556MER350K##	41x70
55	400	556MER400K##	55x70
60	350	606MER350K##	41x70
60	400	606MER400K##	55x70
65	350	656MER350K##	43x70
65	400	656MER400K##	55x85
70	250	706MER250K##	45x70
70	350	706MER350K##	42x100
70	400	706MER400K##	55x85
75	350	756MER350K##	43x100
75	400	756MER400K##	55x85
80	350	806MER350K##	45x100
80	400	806MER400K##	55x85
85	250	856MER250K##	45x100
85	350	856MER350K##	41x120
85	400	856MER400K##	55x85
90	250	906MER250K##	45x100
90	350	906MER350K##	41x130
90	400	906MER400K##	55x85
100	250	107MER250K##	45x110
100	350	107MER350K##	42x130
100	400	107MER400K##	55x85

to be assigned by Illinois Capacitor, Inc.

Additional Case styles and lead terminations available.

Contact Illinois Capacitor, Inc. for details.



ILLINOIS CAPACITOR, INC.

3757 W. Touhy Ave., Lincolnwood, IL 60712 • (847) 675-1760 • Fax (847) 673-2850 • www.illcap.com