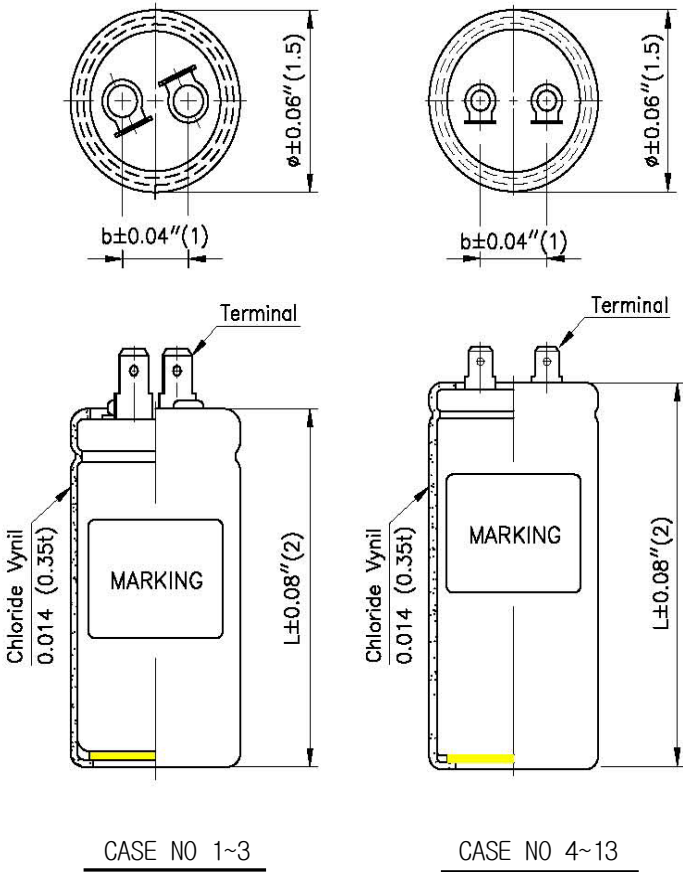


■ DMS- ... A SERIES



CASE DIMENSIONS

UNIT: INCH(mm)

CASE NO	ϕ	L	B
1	1.02 (26)	1.61 (41)	0.39 (10)
2	1.02 (26)	2.01 (51)	0.39 (10)
3	1.02 (26)	2.40 (61)	0.39 (10)
4	1.22 (31)	2.60 (66)	0.47 (12)
5	1.42 (36)	2.40 (61)	0.55 (14)
6	1.42 (36)	2.80 (71)	0.55 (14)
7	1.42 (36)	3.19 (81)	0.55 (14)
8	1.42 (36)	3.98 (101)	0.55 (14)
9	1.61 (41)	2.99 (76)	0.63 (16)
10	1.61 (41)	3.19 (81)	0.63 (16)
11	1.61 (41)	3.98 (101)	0.63 (16)
12	1.81 (46)	3.98 (101)	0.71 (18)
13	2.01 (51)	3.98 (101)	0.71 (18)

SPECIFICATIONS

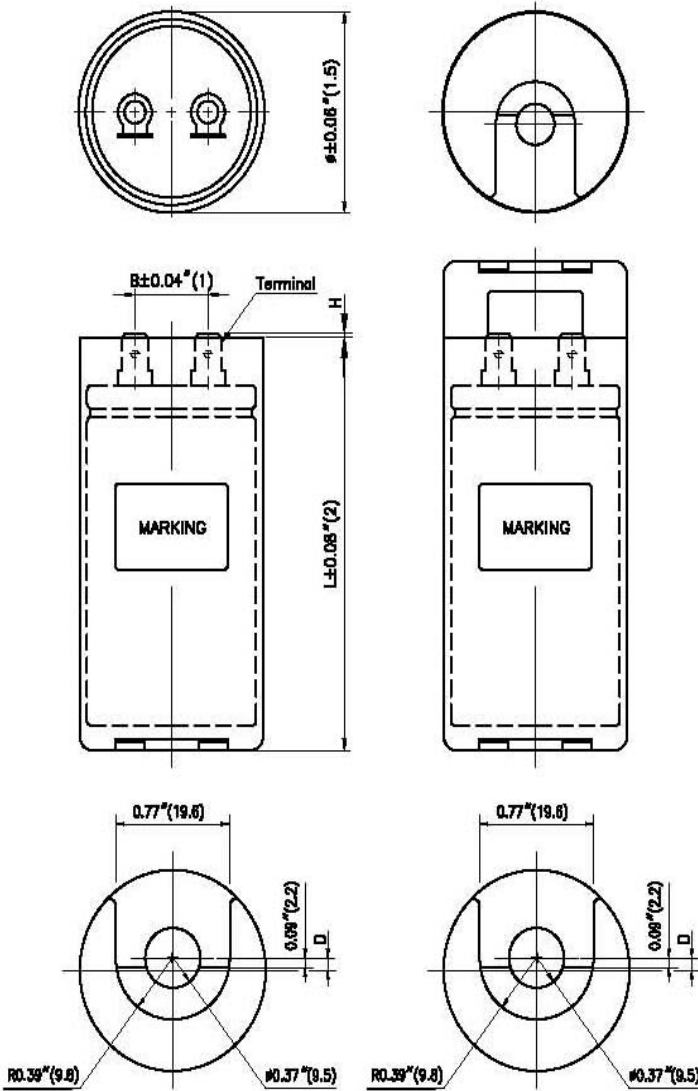
1. Operating temperature range : $-20 \sim +55^{\circ}\text{C}$
2. Rated voltage : 110 ~ 330 VAC
3. Capacitance : 40 ~ 1200 MFD
4. Capacitance tolerance : 0 ~ +20%
5. Power factor : 8%
6. Rated frequency : 50Hz or 60Hz
7. Base on the standards
 - 1) DMS- ... A1 SERIES : KS C 4803 & JIS 4905
 - 2) DMS- ... A2 SERIES : EIA RS-463 (TYPE 2)

Ratings of DMS- ... A Series

VOLTAGE MFD	110	125	165	220	250	330
	CASE NO (SIZE)					
40-48	1	1	3	3	5	5
50-60	1	2	3	5	5	7
63-76	1	2	3	5	5	7
65-78	1	2	3	5	5	7
70-84	1	2	3	5	5	7
80-96	3	2	3	5	5	8
100-120	3	3	3	5	5	9
125-150	4	5	5	5	5	10
150-180	4	5	5	5	5	12
160-192	4	5	5	8	5	12
180-216	5	5	5	8	8	12
190-228	5	5	5	8	8	12
200-240	7	5	5	8	8	12
243-292	7	5	5	8	11	13
250-300	7	5	5	8	11	13
300-360	7	5	5	10	11	13
315-378	7	5	7	10	12	
400-480	7	6	8	11	12	
500-600	9	8	11			
600-720	10	8				
700-840	10	11				
800-960	12	11				
1000-1200	13					
1200-1440	13					

* All Capacitors are available in other size than those indicated in the chart

■ DMS- ... C SERIES



CASE DIMENSIONS

UNIT: INCH(mm)

CASE NO	φ	L	D	H	B
01	1.52 (38.5)	2.76 (70)	0.098 (2.5)	MAX 0.06 (1.5)	0.55 (14)
02	1.52 (38.5)	3.43 (87)	0.098 (2.5)	MAX 0.06 (1.5)	0.55 (14)
03	1.52 (38.5)	4.41 (112)	0.098 (2.5)	MAX 0.06 (1.5)	0.55 (14)
04	1.91 (48.5)	3.43 (87)	0.110 (2.79)	MAX 0.06 (1.5)	0.71 (18)
05	1.91 (48.5)	4.41 (112)	0.110 (2.79)	MAX 0.06 (1.5)	0.71 (18)
06	2.11 (53.5)	3.43 (87)	0.235 (5.97)	MAX 0.06 (1.5)	0.71 (18)
07	2.11 (53.5)	4.41 (112)	0.235 (5.97)	MAX 0.06 (1.5)	0.71 (18)
08	2.62 (66.5)	4.41 (112)	0.485 (12.32)	MAX 0.06 (1.5)	0.71 (18)

MATERIAL : PLASTIC CASE (ABS OR PBT)

SPECIFICATIONS

1. Operating temperature range : -20 ~ +55°C
2. Rated voltage : 110 ~ 330 VAC
3. Capacitance : 21 ~ 1280 MFD
4. Capacitance tolerance : 0 ~ +20%
5. Power factor : 8%
6. Rated frequency : 50Hz or 60Hz
7. Base on the standards
 - 1) DMS- ... C1 SERIES : KS C 4803 & JIS 4905
 - 2) DMS- ... C2 SERIES : EIA RS-463 (TYPE 2)

Ratings of DMS- ... C Series

VOLTAGE MFD	110	125	165	220	250	330
	CASE NO (SIZE)					
21-25	1	1	1	1	1	1
25-30	1	1	1	1	1	1
30-36	1	1	1	1	1	1
36-43	1	1	1	1	1	2
43-52	1	1	1	1	2	2
47-56	1	1	1	1	2	2
53-64	1	1	1	2	2	2
64-77	1	1	1	2	2	3
72-86	1	1	1	2	2	3
88-106	1	1	1	2	2	3
108-130	1	1	1	2	2	4
124-149	1	2	2	2	2	4
130-156	1	2	2	2	3	4
145-174	1	2	2	2	3	5
161-193	1	2	2	2	3	6
189-227	2	2	2	2	3	7
216-259	3	2	2	3	3	7
233-280	3	2	2	3	3	
243-292	3	2	2	3	4	
270-324	3	2	2	3	4	
324-389	3	2	3	4	5	
340-408	3	2	3	4		
378-454	3	2	3	4		
400-480	3	2	3	4		
430-516	3	3	3	4		
460-552	3	3	3	5		
540-648	4	3	4	6		
590-708	4	3	4			
645-774	4	3	4			
708-850	4	4	5			
815-978	5	4	6			
829-995	5	4	6			
850-1020	5	5	6			
1000-1200	7	7				
1280-1536	7	7				

* All Capacitors are available in other size than those indicated in the chart

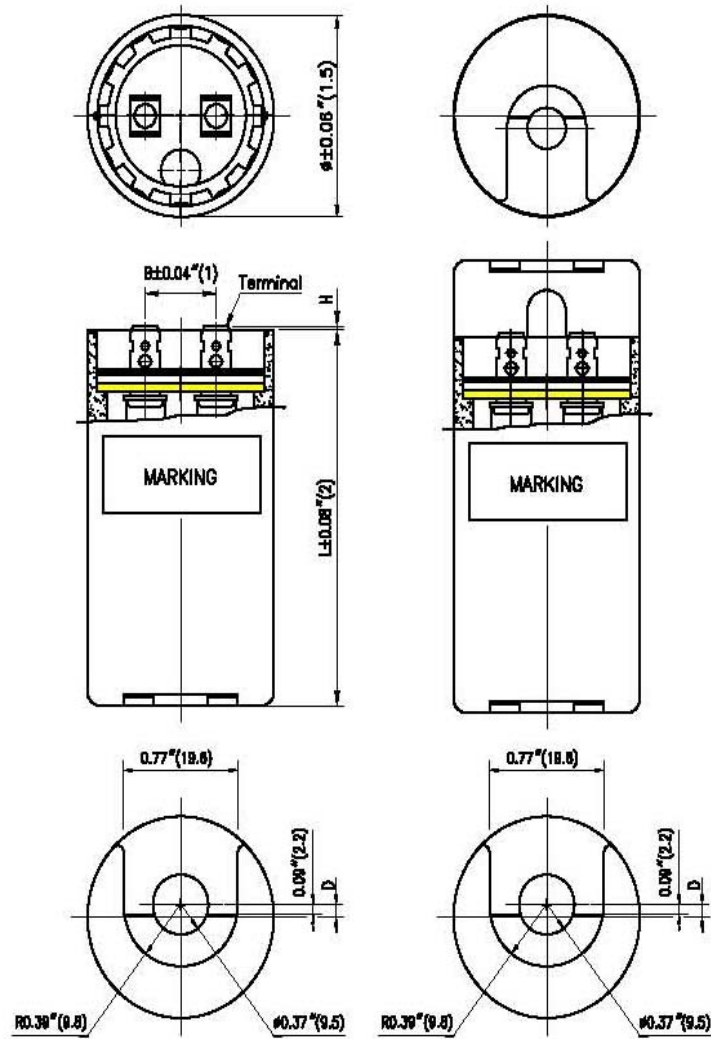
■ DMS- ... P SERIES

SPECIFICATIONS

1. Operating temperature range : -40 ~ +65°C
2. Rated voltage : 110 ~ 330 VAC
3. Capacitance : 21 ~ 1280 MFD
4. Capacitance tolerance : 0 ~ +20%
5. Power factor : 10% max (12% ≤ 30μF)
6. Rated frequency : 50Hz or 60Hz
7. Base on the standards : EIA RS - 463 (TYPE 2)

Ratings of DMS- ... P Series

VOLTAGE MFD	110	125	165	220	250	330
	CASE NO (SIZE)					
21-25	1	1	1	1	1	1
25-30	1	1	1	1	1	1
30-36	1	1	1	1	1	1
36-43	1	1	1	1	1	2
43-52	1	1	1	1	1	2
47-56	1	1	1	1	1	2
53-64	1	1	1	1	1	2
64-77	1	1	1	1	1	3
72-86	1	1	1	1	1	3
88-106	1	1	1	1	1	4
108-130	1	1	1	2	2	4
124-149	1	1	1	2	2	5
130-156	1	1	1	2	2	5
145-174	1	1	1	2	2	5
161-193	1	1	1	2	2	6
189-227	1	1	1	2	3	7
216-259	1	1	2	3	4	7
233-280	1	2	2	3	4	
243-292	1	2	2	4	4	
270-324	1	2	2	4	4	
324-389	2	2	2	4	5	
340-408	2	2	3	4		
378-454	2	2	3	5		
400-480	2	2	3	5		
430-516	2	3	4	5		
460-552	2	3	4	6		
540-648	3	4	4	7		
590-708	3	4	4			
645-774	4	4	5			
708-850	4	4	5			
815-978	4	5	6			
829-995	4	5	6			
850-1020	4	5	6			
1000-1200	5	6				
1280-1536	7	7				



CASE DIMENSIONS

UNIT: INCH(mm)

CASE NO	φ	L	D	H	B
01	1.437 (36.5)	2.750 (69.85)	0.098 (2.5)	MAX 0.06 (1.5)	0.49 (12.5)
02	1.437 (36.5)	3.374 (85.72)	0.098 (2.5)	MAX 0.06 (1.5)	0.49 (12.5)
03	1.437 (36.5)	4.375 (111.12)	0.098 (2.5)	MAX 0.06 (1.5)	0.49 (12.5)
04	1.812 (46.02)	3.374 (85.72)	0.110 (2.79)	MAX 0.06 (1.5)	0.61 (15.5)
05	1.812 (46.02)	4.375 (111.12)	0.110 (2.79)	MAX 0.06 (1.5)	0.61 (15.5)
06	2.062 (52.37)	3.374 (85.72)	0.235 (5.97)	MAX 0.06 (1.5)	0.89 (22.5)
07	2.062 (52.37)	4.375 (111.12)	0.235 (5.97)	MAX 0.06 (1.5)	0.89 (22.5)
08	2.562 (65.07)	4.375 (111.12)	0.485 (12.32)	MAX 0.06 (1.5)	0.89 (22.5)

MATERIAL : PLASTIC CASE (PHENOLIC)

* All Capacitors are available in other size than those indicated in the chart

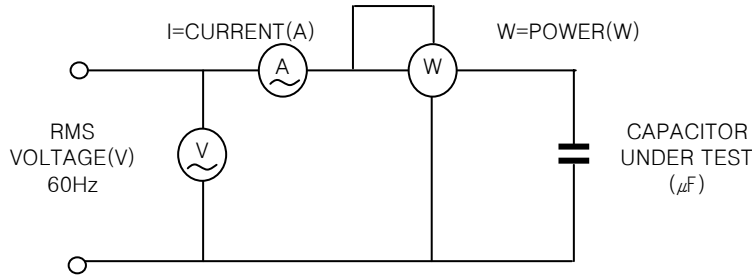
AC MOTOR STARTING CAPACITOR



EN 60252-2 KS C 4803

CAPACITANCE AND POWER FACTOR MEASUREMENT

This examination was conducted over a full four-hour period with the capacitors left left alone in an examination condition. The capacitance and the power factor of AC motor start capacitors are calculated by 60Hz rated voltage to the capacitors and recording from the below circuit the voltage within 3seconds, the current within 4 seconds, and the wattage within 5 seconds.



Capacitance and power factor are calculated with the below equations :

$$C = \frac{I \times 10^6}{2\pi f E}$$

$$PF = \frac{W \times 100}{E \times I}$$

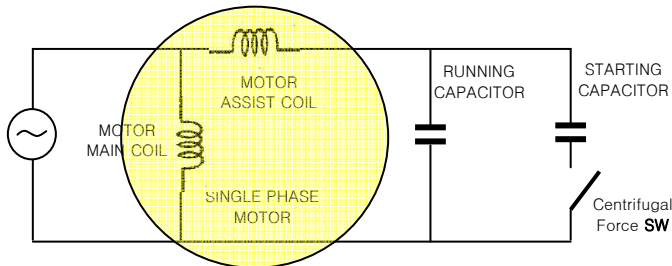
C = Capacitance(μF) PF = Power Factor(%)
 I = Ampere(A) W = Power(W)
 f = Frequency(Hz) π = 3.1416
 E = Volts RMS(V)

SAFETY TEST

The safety of capacitor is tested by applying the authodox voltage with the voltage continuouly raised until it becomes feverish to the point of the safety device(VENT HOLE) being triggered. The voltage application is stopped once the safety device is triggered and goes into an operation mode. An inspection is made to see goes into an operation mode. An inspection is made to see if the element pops out and/ or ignites during this time.

APPLICATION

These non-polarized capacitors are widely used in small A.C. single phase motors. They are also suitable for refrigerators, air conditioning systems, washing machines, fans, machine tools, garage door openers, etc.



* APPLICATION EXAMPLE

