

## MKR Series

370/440 VAC • 50/60 Hz



### Product Overview

The MKR Series capacitors are optimized for single-phase motor applications where enhanced torque and energy efficiency are critical. By providing a controlled phase shift to the motor's auxiliary winding, these capacitors improve torque performance and elevate the power factor. Their robust design ensures reliable operation in continuous-duty environments, making them ideal for use in HVAC systems, pumps, compressors, and other industrial and commercial motor-driven equipment.

### Features & Benefits

| FEATURES                                                                  | BENEFITS                                                  |
|---------------------------------------------------------------------------|-----------------------------------------------------------|
| Single and dual rated values                                              | To meet a broad range of applications                     |
| Round or oval case options                                                | To maximize product footprint                             |
| Aluminum oil filled construction                                          | To help cool and extend the life of the capacitor         |
| Designed & manufactured in accordance with UL 810 and EIA standard RS-456 | To ensure product meets quality benchmarks                |
| Custom configurations available                                           | To meet specific application and performance requirements |

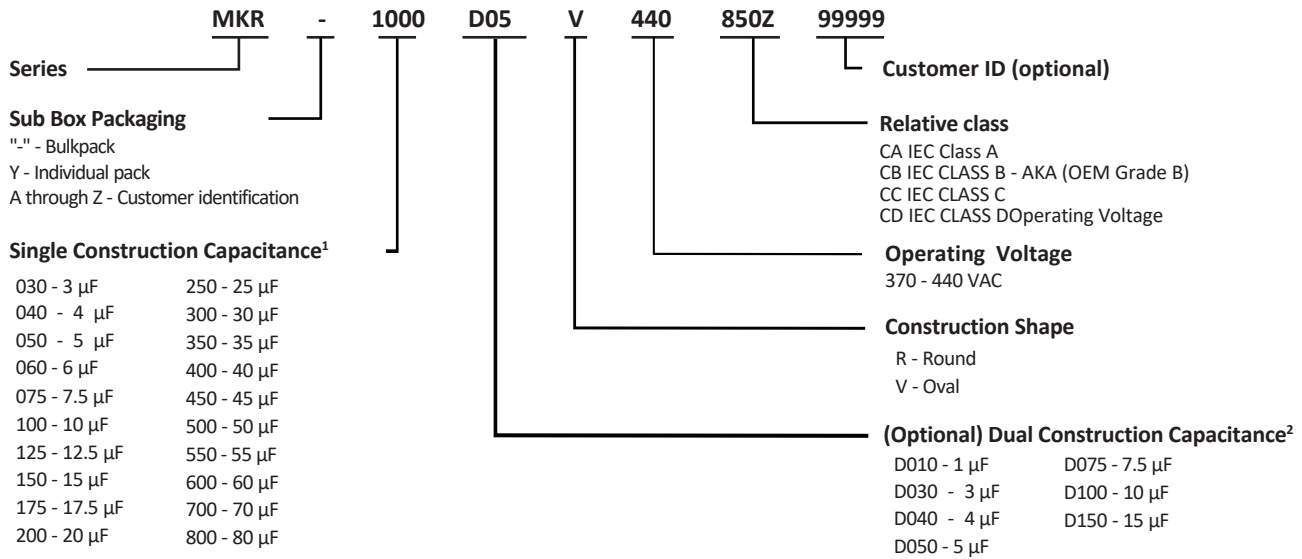
### Applications

- HVAC/R
- Food & Beverage
- Pool & Spa
- Motors

### Electrical Specifications

|                                      |                                                                                                        |
|--------------------------------------|--------------------------------------------------------------------------------------------------------|
| Coil Terminal Connections            | .250" x .032" quick connect terminals                                                                  |
| Rated AC Voltage                     | 370 and 440 VAC                                                                                        |
| Operating Temperature                | -40°C to 70°C; -40°F to 158°F (70°C Maximum)                                                           |
| Dissipation Factor                   | 0.1% max.                                                                                              |
| Internal Protection                  | 0.1% max.; UL recognized internal protection bridge capable of interrupting up to 10K amp 3% available |
| Capacitance Tolerance                | 30 µA max.                                                                                             |
| Leakage Current                      | 50/60 Hz                                                                                               |
| Frequency                            | 22,000 hours with 94% survival                                                                         |
| Operating Life                       | 60,000 hours available                                                                                 |
| Case Material/Finish Mounting Method | Unpainted aluminum construction<br>Strap Mount                                                         |

## Part Number Nomenclature



## Ordering Information

Oval Case - Single Construction

| Oval Case - Single Construction - 370/440V |               |                   |                        |                       |                       |                |
|--------------------------------------------|---------------|-------------------|------------------------|-----------------------|-----------------------|----------------|
| Wholesale P/N                              | MKT P/N       | Construction Type | Capacitance ( $\mu$ F) | Capacitance Tolerance | Voltage 370/440 (VAC) | Frequency (Hz) |
| MEK-2/440                                  | MKR-020V440CB | Single            | 2                      | 3%                    | 440                   | 50/60          |
| MEK-3/440                                  | MKR-030V440CB | Single            | 3                      | 3%                    | 440                   | 50/60          |
| MEK-4/440                                  | MKR-040V440CB | Single            | 4                      | 3%                    | 440                   | 50/60          |
| MEK-5/440                                  | MKR-050V440CB | Single            | 5                      | 3%                    | 440                   | 50/60          |
| MEK-6/440                                  | MKR-060V440CB | Single            | 6                      | 3%                    | 440                   | 50/60          |
| MEK-7.5/440                                | MKR-075V440CB | Single            | 7.5                    | 3%                    | 440                   | 50/60          |
| MEK-10/440                                 | MKR-100V440CB | Single            | 10                     | 3%                    | 440                   | 50/60          |
| MEK-12.5/440                               | MKR-125V440CB | Single            | 12.5                   | 3%                    | 440                   | 50/60          |
| MEK-15/440                                 | MKR-150V440CB | Single            | 15                     | 3%                    | 440                   | 50/60          |
| MEK-17.5/440                               | MKR-175V440CB | Single            | 17.5                   | 3%                    | 440                   | 50/60          |
| MEK-20/440                                 | MKR-200V440CB | Single            | 20                     | 3%                    | 440                   | 50/60          |
| MEK-25/440                                 | MKR-250V440CB | Single            | 25                     | 3%                    | 440                   | 50/60          |
| MEK-30/440                                 | MKR-300V440CB | Single            | 30                     | 3%                    | 440                   | 50/60          |
| MEK-35/440                                 | MKR-350V440CB | Single            | 35                     | 3%                    | 440                   | 50/60          |
| MEK-40/440                                 | MKR-400V440CB | Single            | 40                     | 3%                    | 440                   | 50/60          |
| MEK-45/440                                 | MKR-450V440CB | Single            | 45                     | 3%                    | 440                   | 50/60          |
| MEK-50/440                                 | MKR-500V440CB | Single            | 50                     | 3%                    | 440                   | 50/60          |
| MEK-55/440                                 | MKR-550V440CB | Single            | 55                     | 3%                    | 440                   | 50/60          |
| MEK-60/440                                 | MKR-600V440CB | Single            | 60                     | 3%                    | 440                   | 50/60          |
| MEK-70/440                                 | MKR-700V440CB | Single            | 70                     | 3%                    | 440                   | 50/60          |
| MEK-80/440                                 | MKR-800V440CB | Single            | 80                     | 3%                    | 440                   | 50/60          |



## Ordering Information

Round Case - Single Construction

| Round Case - Single Construction - 370/440V |               |                   |                  |                       |                       |                |
|---------------------------------------------|---------------|-------------------|------------------|-----------------------|-----------------------|----------------|
| Wholesale P/N                               | MKT P/N       | Construction Type | Capacitance (μF) | Capacitance Tolerance | Voltage 370/440 (VAC) | Frequency (Hz) |
| MEK-3/440R                                  | MKR-030R440CB | Single            | 3                | 3%                    | 440                   | 50/60          |
| MEK-4/440R                                  | MKR-040R440CB | Single            | 4                | 3%                    | 440                   | 50/60          |
| MEK-5/440R                                  | MKR-050R440CB | Single            | 5                | 3%                    | 440                   | 50/60          |
| MEK-7.5/440R                                | MKR-075R440CB | Single            | 7.5              | 3%                    | 440                   | 50/60          |
| MEK-10/440R                                 | MKR-100R440CB | Single            | 10               | 3%                    | 440                   | 50/60          |
| MEK-12.5/440R                               | MKR-125R440CB | Single            | 12.5             | 3%                    | 440                   | 50/60          |
| MEK-15/440R                                 | MKR-150R440CB | Single            | 15               | 3%                    | 440                   | 50/60          |
| MEK-20/440R                                 | MKR-200R440CB | Single            | 20               | 3%                    | 440                   | 50/60          |
| MEK-25/440R                                 | MKR-250R440CB | Single            | 25               | 3%                    | 440                   | 50/60          |
| MEK-30/440R                                 | MKR-300R440CB | Single            | 30               | 3%                    | 440                   | 50/60          |
| MEK-35/440R                                 | MKR-350R440CB | Single            | 35               | 3%                    | 440                   | 50/60          |
| MEK-40/440R                                 | MKR-400R440CB | Single            | 40               | 3%                    | 440                   | 50/60          |
| MEK-45/440R                                 | MKR-450R440CB | Single            | 45               | 3%                    | 440                   | 50/60          |
| MEK-50/440R                                 | MKR-500R440CB | Single            | 50               | 3%                    | 440                   | 50/60          |
| MEK-55/440R                                 | MKR-550R440CB | Single            | 55               | 3%                    | 440                   | 50/60          |
| MEK-60/440R                                 | MKR-600R440CB | Single            | 60               | 3%                    | 440                   | 50/60          |
| MEK-70/440R                                 | MKR-700R440CB | Single            | 70               | 3%                    | 440                   | 50/60          |
| MEK-80/440R                                 | MKR-800R440CB | Single            | 80               | 3%                    | 440                   | 50/60          |

## Ordering Information

Oval Case - Dual Construction

| Oval Case - Dual Construction - 370/440V |                   |                   |                  |                       |                       |                |
|------------------------------------------|-------------------|-------------------|------------------|-----------------------|-----------------------|----------------|
| Wholesale P/N                            | MKT P/N           | Construction Type | Capacitance (μF) | Capacitance Tolerance | Voltage 370/440 (VAC) | Frequency (Hz) |
| MEK-5/5/440                              | MKR-050D050V440CB | Dual              | 5+5              | 3%                    | 440                   | 50/60          |
| MEK-7.5/7.5/440                          | MKR-075D075V440CB | Dual              | 7.5+7.5          | 3%                    | 440                   | 50/60          |
| MEK-10/10/440                            | MKR-100D100V440CB | Dual              | 10+10            | 3%                    | 440                   | 50/60          |
| MEK-15/5/440                             | MKR-150D050V440CB | Dual              | 15+5             | 3%                    | 440                   | 50/60          |
| MEK-15/10/440                            | MKR-150D100V440CB | Dual              | 15+10            | 3%                    | 440                   | 50/60          |
| MEK-20/5/440                             | MKR-200D050V440CB | Dual              | 20+5             | 3%                    | 440                   | 50/60          |
| MEK-20/10/440                            | MKR-200D100V440CB | Dual              | 20+10            | 3%                    | 440                   | 50/60          |
| MEK-25/3/440                             | MKR-250D030V440CB | Dual              | 25+3             | 3%                    | 440                   | 50/60          |
| MEK-25/5/440                             | MKR-250D050V440CB | Dual              | 25+5             | 3%                    | 440                   | 50/60          |
| MEK-25/7.5/440                           | MKR-250D075V440CB | Dual              | 25+7.5           | 3%                    | 440                   | 50/60          |
| MEK-25/15/440                            | MKR-250D150V440CB | Dual              | 25+15            | 3%                    | 440                   | 50/60          |
| MEK-30/5/440                             | MKR-300D050V440CB | Dual              | 30+5             | 3%                    | 440                   | 50/60          |

**Ordering Information (Continued)**

Oval Case - Dual Construction

**Oval Case - Dual Construction - 370/440V**

| Wholesale P/N  | MKT P/N           | Construction Type | Capacitance (μF) | Capacitance Tolerance | Voltage 370/440 (VAC) | Frequency (Hz) |
|----------------|-------------------|-------------------|------------------|-----------------------|-----------------------|----------------|
| MEK-30/7.5/440 | MKR-300D075V440CB | Dual              | 30+7.5           | 3%                    | 440                   | 50/60          |
| MEK-35/3/440   | MKR-350D030V440CB | Dual              | 35+3             | 3%                    | 440                   | 50/60          |
| MEK-35/5/440   | MKR-350D040V440CB | Dual              | 35+4             | 3%                    | 440                   | 50/60          |
| MEK-35/7.5/440 | MKR-350D075V440CB | Dual              | 35+7.5           | 3%                    | 440                   | 50/60          |
| MEK-35/10/440  | MKR-350D100V440CB | Dual              | 35+10            | 3%                    | 440                   | 50/60          |
| MEK-40/5/440   | MKR-400D050V440CB | Dual              | 40+5             | 3%                    | 440                   | 50/60          |
| MEK-40/7.5/440 | MKR-400D075V440CB | Dual              | 40+7.5           | 3%                    | 440                   | 50/60          |
| MEK-40/10/440  | MKR-400D100V440CB | Dual              | 40+10            | 3%                    | 440                   | 50/60          |
| MEK-45/5/440   | MKR-450D050V440CB | Dual              | 45+5             | 3%                    | 440                   | 50/60          |
| MEK-45/7.5/440 | MKR-450D075V440CB | Dual              | 45+7.5           | 3%                    | 440                   | 50/60          |
| MEK-45/10/440  | MKR-450D100V440CB | Dual              | 45+10            | 3%                    | 440                   | 50/60          |
| MEK-50/5/440   | MKR-500D050V440CB | Dual              | 50+5             | 3%                    | 440                   | 50/60          |
| MEK-50/7.5/440 | MKR-500D075V440CB | Dual              | 50+7.5           | 3%                    | 440                   | 50/60          |
| MEK-55/5/440   | MKR-550D050V440CB | Dual              | 55+5             | 3%                    | 440                   | 50/60          |
| MEK-55/7.5/440 | MKR-550D075V440CB | Dual              | 55+7.5           | 3%                    | 440                   | 50/60          |
| MEK-60/5/440   | MKR-600D050V440CB | Dual              | 60+5             | 3%                    | 440                   | 50/60          |
| MEK-60/7.5/440 | MKR-600D075V440CB | Dual              | 60+7.5           | 3%                    | 440                   | 50/60          |
| MEK-60/10/440  | MKR-600D100V440CB | Dual              | 60+10            | 3%                    | 440                   | 50/60          |
| MEK-70/5/440   | MKR-700D050V440CB | Dual              | 70+5             | 3%                    | 440                   | 50/60          |
| MEK-70/7.5/440 | MKR-700D075V440CB | Dual              | 70+7.5           | 3%                    | 440                   | 50/60          |
| MEK-70/10/440  | MKR-700D100V440CB | Dual              | 70+10            | 3%                    | 440                   | 50/60          |
| MEK-80/5/440   | MKR-800D050V440CB | Dual              | 80+5             | 3%                    | 440                   | 50/60          |
| MEK-80/7.5/440 | MKR-800D075V440CB | Dual              | 80+7.5           | 3%                    | 440                   | 50/60          |
| MEK-80/10/440  | MKR-800D100V440CB | Dual              | 80+10            | 3%                    | 440                   | 50/60          |



## Ordering Information

Round Case - Dual Construction

| Round Case - Dual Construction - 370/440V |                   |                   |                  |                       |                       |                |
|-------------------------------------------|-------------------|-------------------|------------------|-----------------------|-----------------------|----------------|
| Wholesale P/N                             | MKT P/N           | Construction Type | Capacitance (μF) | Capacitance Tolerance | Voltage 370/440 (VAC) | Frequency (Hz) |
| MEK-10/10/440R                            | MKR-100D100R440CB | Dual              | 10+10            | 3%                    | 440                   | 50/60          |
| MEK-15/3/440R                             | MKR-150D030R440CB | Dual              | 15+3             | 3%                    | 440                   | 50/60          |
| MEK-15/5/440R                             | MKR-150D050R440CB | Dual              | 15+5             | 3%                    | 440                   | 50/60          |
| MEK-15/7.5/440R                           | MKR-150D075R440CB | Dual              | 15+7.5           | 3%                    | 440                   | 50/60          |
| MEK-15/10/440R                            | MKR-150D100R440CB | Dual              | 15+10            | 3%                    | 440                   | 50/60          |
| MEK-20/5/440R                             | MKR-200D050R440CB | Dual              | 20+5             | 3%                    | 440                   | 50/60          |
| MEK-20/7.5/440R                           | MKR-200D075R440CB | Dual              | 20+7.5           | 3%                    | 440                   | 50/60          |
| MEK-20/10/440R                            | MKR-200D100R440CB | Dual              | 20+10            | 3%                    | 440                   | 50/60          |
| MEK-25/5/440R                             | MKR-250D050R440CB | Dual              | 25+5             | 3%                    | 440                   | 50/60          |
| MEK-25/7.5/440R                           | MKR-250D075R440CB | Dual              | 25+7.5           | 3%                    | 440                   | 50/60          |
| MEK-25/10/440R                            | MKR-250D100R440CB | Dual              | 25+10            | 3%                    | 440                   | 50/60          |
| MEK-30/3/440R                             | MKR-300D030R440CB | Dual              | 30+3             | 3%                    | 440                   | 50/60          |
| MEK-30/5/440R                             | MKR-300D050R440CB | Dual              | 30+5             | 3%                    | 440                   | 50/60          |
| MEK-30/7.5/440R                           | MKR-300D075R440CB | Dual              | 30+7.5           | 3%                    | 440                   | 50/60          |
| MEK-30/10/440R                            | MKR-300D100R440CB | Dual              | 30+10            | 3%                    | 440                   | 50/60          |
| MEK-30/15/440R                            | MKR-300D150R440CB | Dual              | 30+15            | 3%                    | 440                   | 50/60          |
| MEK-35/1/440R                             | MKR-350D010R440CB | Dual              | 35+1             | 3%                    | 440                   | 50/60          |
| MEK-35/3/440R                             | MKR-350D030R440CB | Dual              | 35+3             | 3%                    | 440                   | 50/60          |
| MEK-35/5/440R                             | MKR-350D050R440CB | Dual              | 35+5             | 3%                    | 440                   | 50/60          |
| MEK-35/7.5/440R                           | MKR-350D075R440CB | Dual              | 35+7.5           | 3%                    | 440                   | 50/60          |
| MEK-35/10/440R                            | MKR-350D100R440CB | Dual              | 35+10            | 3%                    | 440                   | 50/60          |
| MEK-35/15/440R                            | MKR-350D150R440CB | Dual              | 35+15            | 3%                    | 440                   | 50/60          |
| MEK-40/1/440R                             | MKR-400D010R440CB | Dual              | 40+1             | 3%                    | 440                   | 50/60          |
| MEK-40/3/440R                             | MKR-400D030R440CB | Dual              | 40+3             | 3%                    | 440                   | 50/60          |
| MEK-40/4/440R                             | MKR-400D040R440CB | Dual              | 40+4             | 3%                    | 440                   | 50/60          |
| MEK-40/5/440R                             | MKR-400D050R440CB | Dual              | 40+5             | 3%                    | 440                   | 50/60          |
| MEK-40/7.5/440R                           | MKR-400D075R440CB | Dual              | 40+7.5           | 3%                    | 440                   | 50/60          |
| MEK-40/10/440R                            | MKR-400D100R440CB | Dual              | 40+10            | 3%                    | 440                   | 50/60          |
| MEK-45/3/440R                             | MKR-450D030R440CB | Dual              | 45+3             | 3%                    | 440                   | 50/60          |
| MEK-45/5/440R                             | MKR-450D050R440CB | Dual              | 45+5             | 3%                    | 440                   | 50/60          |
| MEK-45/7.5/440R                           | MKR-450D075R440CB | Dual              | 45+7.5           | 3%                    | 440                   | 50/60          |
| MEK-45/10/440R                            | MKR-450D100R440CB | Dual              | 45+10            | 3%                    | 440                   | 50/60          |
| MEK-50/3/440R                             | MKR-500D030R440CB | Dual              | 50+3             | 3%                    | 440                   | 50/60          |
| MEK-50/5/440R                             | MKR-500D050R440CB | Dual              | 50+5             | 3%                    | 440                   | 50/60          |
| MEK-50/7.5/440R                           | MKR-500D075R440CB | Dual              | 50+7.5           | 3%                    | 440                   | 50/60          |
| MEK-50/10/440R                            | MKR-500D100R440CB | Dual              | 50+10            | 3%                    | 440                   | 50/60          |
| MEK-55/4/440R                             | MKR-550D040R440CB | Dual              | 55+4             | 3%                    | 440                   | 50/60          |

**Ordering Information (Continued)**

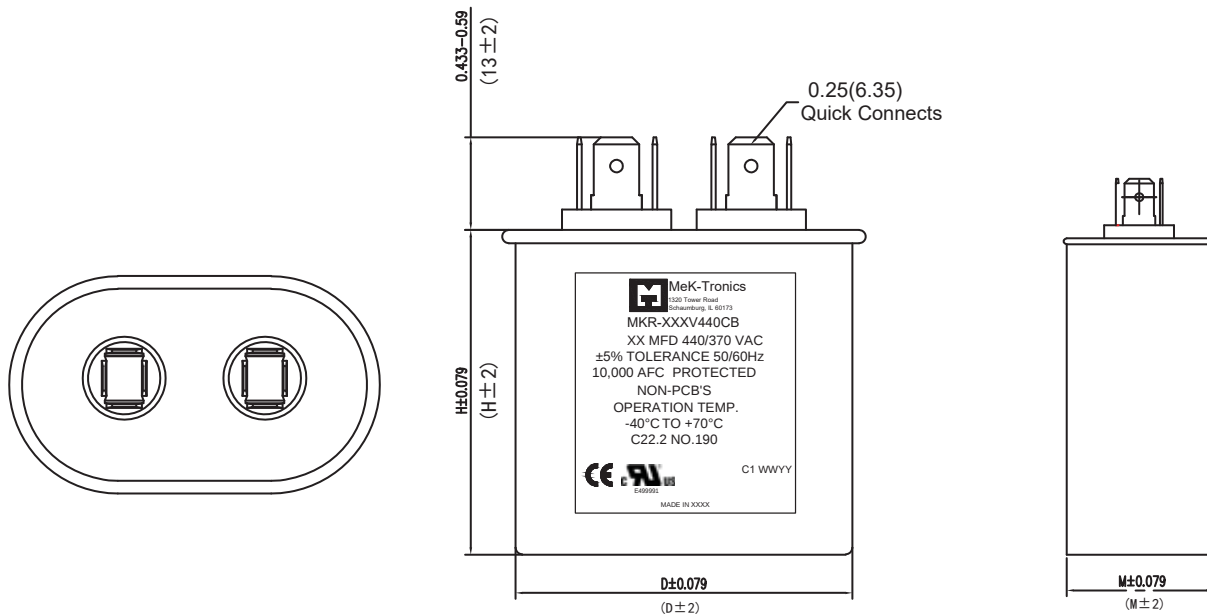
Oval Case - Dual Construction

**Oval Case - Dual Construction - 370/440V**

| Wholesale P/N   | MKT P/N           | Construction Type | Capacitance (μF) | Capacitance Tolerance | Voltage 370/440 (VAC) | Frequency (Hz) |
|-----------------|-------------------|-------------------|------------------|-----------------------|-----------------------|----------------|
| MEK-55/5/440R   | MKR-550D050R440CB | Dual              | 55+5             | 3%                    | 440                   | 50/60          |
| MEK-55/7.5/440R | MKR-550D075R440CB | Dual              | 55+7.5           | 3%                    | 440                   | 50/60          |
| MEK-55/10/440R  | MKR-550D100R440CB | Dual              | 55+10            | 3%                    | 440                   | 50/60          |
| MEK-55/15/440R  | MKR-550D150R440CB | Dual              | 55+15            | 3%                    | 440                   | 50/60          |
| MEK-60/5/440R   | MKR-600D050R440CB | Dual              | 60+5             | 3%                    | 440                   | 50/60          |
| MEK-60/7.5/440R | MKR-600D075R440CB | Dual              | 60+7.5           | 3%                    | 440                   | 50/60          |
| MEK-60/10/440R  | MKR-600D100R440CB | Dual              | 60+10            | 3%                    | 440                   | 50/60          |
| MEK-65/7.5/440R | MKR-650D075R440CB | Dual              | 65+7.5           | 3%                    | 440                   | 50/60          |
| MEK-70/5/440R   | MKR-700D050R440CB | Dual              | 70+5             | 3%                    | 440                   | 50/60          |
| MEK-70/7.5/440R | MKR-700D075R440CB | Dual              | 70+7.5           | 3%                    | 440                   | 50/60          |
| MEK-70/10/440R  | MKR-700D100R440CB | Dual              | 70+10            | 3%                    | 440                   | 50/60          |
| MEK-75/5/440R   | MKR-750D050R440CB | Dual              | 75+5             | 3%                    | 440                   | 50/60          |
| MEK-80/5/440R   | MKR-800D050R440CB | Dual              | 80+5             | 3%                    | 440                   | 50/60          |
| MEK-80/7.5/440R | MKR-800D075R440CB | Dual              | 80+7.5           | 3%                    | 440                   | 50/60          |
| MEK-80/10/440R  | MKR-800D100R440CB | Dual              | 80+10            | 3%                    | 440                   | 50/60          |

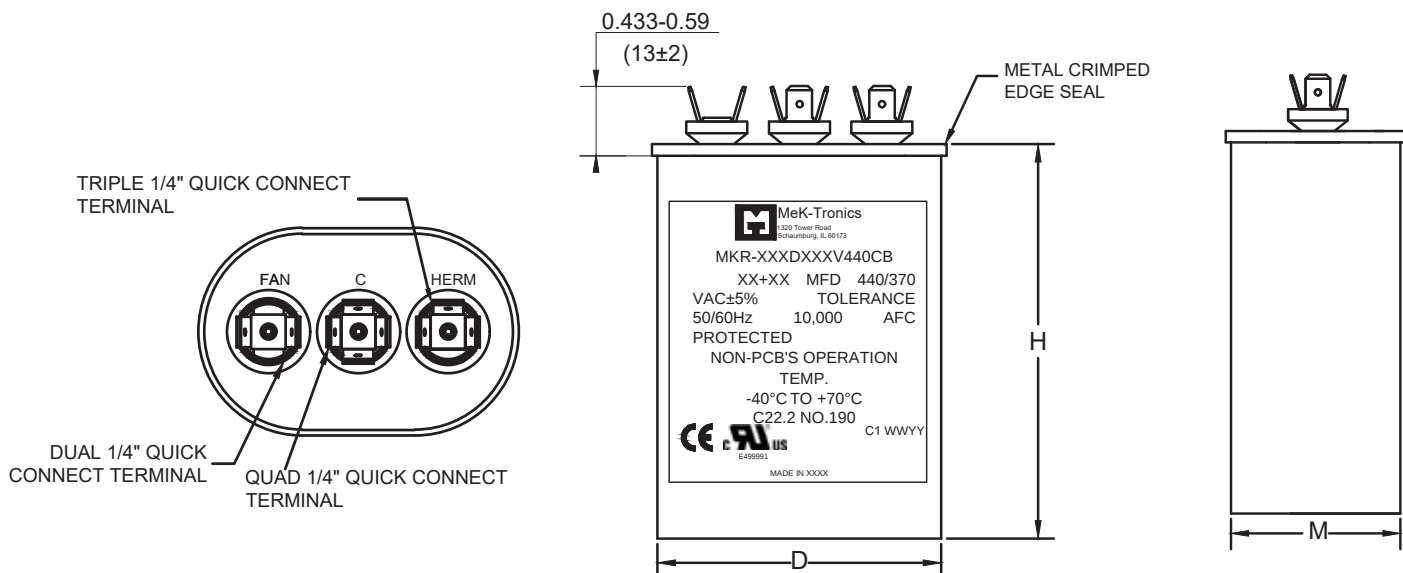
## Dimensions (Millimeters)

Oval – Single Construction



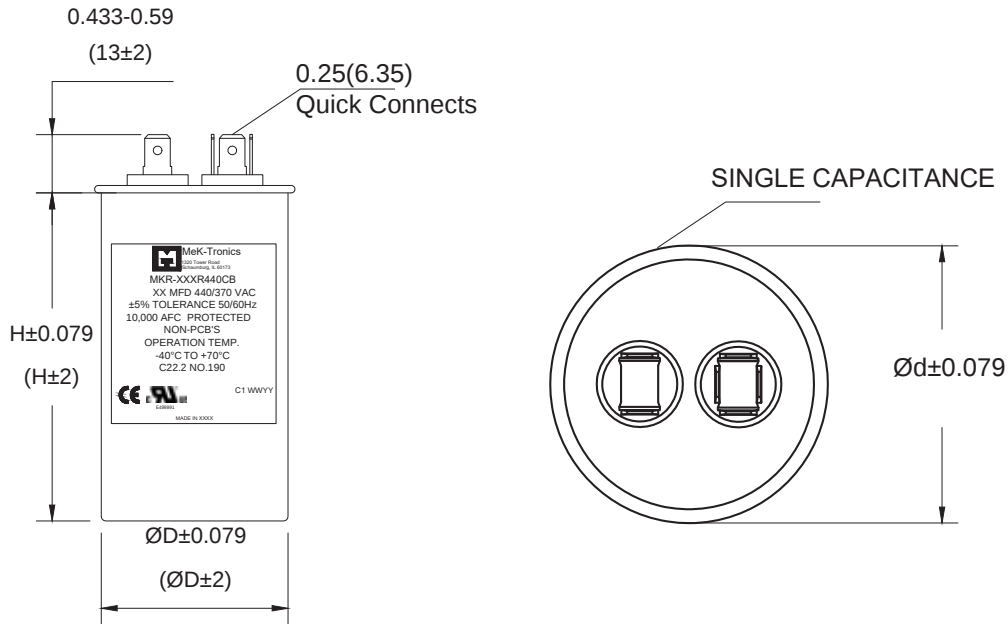
## Dimensions (Millimeters)

Oval – Dual Construction



## Dimensions (Millimeters)

Round – Single Construction



## Dimensions (Millimeters)

Round – Dual Construction

