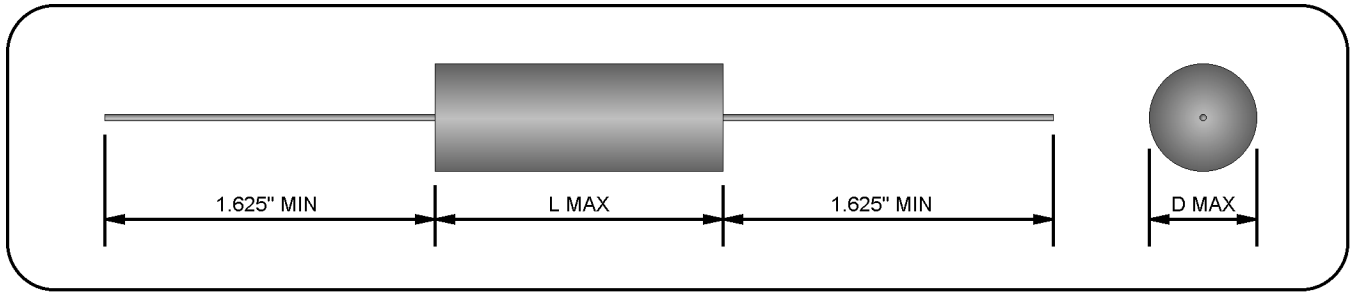


| 200VDC/135VAC     |                   |                    |             |                          |
|-------------------|-------------------|--------------------|-------------|--------------------------|
| CAP<br>( $\mu$ F) | D<br>MAX          | L<br>MAX           | LEAD<br>AWG | I <sub>PEAK</sub><br>(A) |
| 0.0010            | 0.200"<br>(5.1mm) | 0.610"<br>(15.5mm) | 24          | 1.3                      |
| 0.0015            | 0.200"<br>(5.1mm) | 0.610"<br>(15.5mm) | 24          | 2.0                      |
| 0.0022            | 0.200"<br>(5.1mm) | 0.610"<br>(15.5mm) | 24          | 2.9                      |
| 0.0033            | 0.200"<br>(5.1mm) | 0.610"<br>(15.5mm) | 24          | 4.3                      |
| 0.0047            | 0.200"<br>(5.1mm) | 0.610"<br>(15.5mm) | 24          | 6.1                      |
| 0.0068            | 0.210"<br>(5.3mm) | 0.610"<br>(15.5mm) | 24          | 8.8                      |
| 0.0082            | 0.220"<br>(5.6mm) | 0.610"<br>(15.5mm) | 24          | 10.7                     |
| 0.010             | 0.240"<br>(6.1mm) | 0.610"<br>(15.5mm) | 24          | 13.0                     |
| 0.015             | 0.270"<br>(6.9mm) | 0.610"<br>(15.5mm) | 24          | 19.5                     |
| 0.022             | 0.300"<br>(7.6mm) | 0.610"<br>(15.5mm) | 24          | 28.6                     |
| 0.033             | 0.290"<br>(7.4mm) | 0.740"<br>(18.8mm) | 24          | 21.9                     |
| 0.047             | 0.330"<br>(8.4mm) | 0.740"<br>(18.8mm) | 24          | 31.3                     |

| 200VDC/135VAC     |                    |                    |             |                          |
|-------------------|--------------------|--------------------|-------------|--------------------------|
| CAP<br>( $\mu$ F) | D<br>MAX           | L<br>MAX           | LEAD<br>AWG | I <sub>PEAK</sub><br>(A) |
| 0.068             | 0.340"<br>(8.6mm)  | 0.860"<br>(21.8mm) | 24          | 30.3                     |
| 0.082             | 0.360"<br>(9.1mm)  | 0.860"<br>(21.8mm) | 24          | 36.5                     |
| 0.10              | 0.390"<br>(9.9mm)  | 0.860"<br>(21.8mm) | 24          | 44.5                     |
| 0.15              | 0.410"<br>(10.4mm) | 1.000"<br>(25.4mm) | 22          | 57.0                     |
| 0.22              | 0.420"<br>(10.7mm) | 1.260"<br>(32.0mm) | 22          | 48.8                     |
| 0.33              | 0.490"<br>(12.4mm) | 1.260"<br>(32.0mm) | 22          | 73.3                     |
| 0.47              | 0.570"<br>(14.5mm) | 1.260"<br>(32.0mm) | 20          | 104.3                    |
| 0.68              | 0.560"<br>(14.2mm) | 1.770"<br>(45.0mm) | 20          | 90.4                     |
| 0.82              | 0.610"<br>(15.5mm) | 1.770"<br>(45.0mm) | 20          | 109.1                    |
| 1.0               | 0.650"<br>(16.5mm) | 1.770"<br>(45.0mm) | 20          | 133.0                    |
| 2.0               | 0.820"<br>(20.8mm) | 2.010"<br>(51.1mm) | 20          | 222.0                    |
| 5.0               | 1.250"<br>(31.8mm) | 2.010"<br>(51.1mm) | 20          | 555.0                    |



| 400VDC/270VAC     |                    |                    |             |                          |
|-------------------|--------------------|--------------------|-------------|--------------------------|
| CAP<br>( $\mu$ F) | D<br>MAX           | L<br>MAX           | LEAD<br>AWG | I <sub>PEAK</sub><br>(A) |
| 0.0010            | 0.260"<br>(6.6mm)  | 0.800"<br>(20.3mm) | 24          | 1.0                      |
| 0.0015            | 0.290"<br>(7.4mm)  | 0.800"<br>(20.3mm) | 24          | 1.6                      |
| 0.0022            | 0.290"<br>(7.4mm)  | 0.800"<br>(20.3mm) | 24          | 2.3                      |
| 0.0033            | 0.290"<br>(7.4mm)  | 0.800"<br>(20.3mm) | 24          | 3.4                      |
| 0.0047            | 0.290"<br>(7.4mm)  | 0.800"<br>(20.3mm) | 24          | 4.9                      |
| 0.0068            | 0.290"<br>(7.4mm)  | 0.800"<br>(20.3mm) | 24          | 7.1                      |
| 0.0082            | 0.310"<br>(7.9mm)  | 0.800"<br>(20.3mm) | 24          | 8.6                      |
| 0.010             | 0.330"<br>(8.4mm)  | 0.800"<br>(20.3mm) | 24          | 10.5                     |
| 0.015             | 0.400"<br>(10.2mm) | 0.800"<br>(20.3mm) | 24          | 15.7                     |
| 0.022             | 0.310"<br>(7.9mm)  | 1.050"<br>(26.7mm) | 24          | 13.0                     |
| 0.033             | 0.370"<br>(9.4mm)  | 1.050"<br>(26.7mm) | 24          | 19.6                     |
| 0.047             | 0.430"<br>(10.9mm) | 1.050"<br>(26.7mm) | 24          | 27.9                     |

| 400VDC/270VAC     |                    |                    |             |                          |
|-------------------|--------------------|--------------------|-------------|--------------------------|
| CAP<br>( $\mu$ F) | D<br>MAX           | L<br>MAX           | LEAD<br>AWG | I <sub>PEAK</sub><br>(A) |
| 0.068             | 0.430"<br>(10.9mm) | 1.300"<br>(33.0mm) | 24          | 30.3                     |
| 0.082             | 0.460"<br>(11.7mm) | 1.300"<br>(33.0mm) | 22          | 36.5                     |
| 0.1               | 0.500"<br>(12.7mm) | 1.300"<br>(33.0mm) | 22          | 44.5                     |
| 0.15              | 0.590"<br>(15.0mm) | 1.300"<br>(33.0mm) | 20          | 66.8                     |
| 0.22              | 0.700"<br>(17.8mm) | 1.300"<br>(33.0mm) | 20          | 97.9                     |
| 0.33              | 0.720"<br>(18.3mm) | 1.550"<br>(39.4mm) | 20          | 117.5                    |
| 0.47              | 0.700"<br>(17.8mm) | 2.050"<br>(52.1mm) | 20          | 104.3                    |
| 0.68              | 0.830"<br>(21.1mm) | 2.050"<br>(52.1mm) | 20          | 151.0                    |
| 0.82              | 0.900"<br>(22.9mm) | 2.050"<br>(52.1mm) | 20          | 182.0                    |
| 1.0               | 0.990"<br>(25.1mm) | 2.050"<br>(52.1mm) | 20          | 222.0                    |
| 2.0               | 1.370"<br>(34.8mm) | 2.050"<br>(52.1mm) | 20          | 444.0                    |

## GENERAL SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

**CONSTRUCTION:** NON-INDUCTIVE WOUND POLYPROPYLENE AND FOIL.

**CASE:** FLAME RETARDANT TAPE WRAP CASE AND EPOXY FILL.

**LEAD MATERIAL:** AXIAL SOLDER COATED OR TINNED SOLID WIRE, AWG AS SPECIFIED IN TABLES.

**DIMENSIONS:** AS SPECIFIED IN TABLES.

### ELECTRICAL CHARACTERISTICS

**CAPACITANCE:** AS SPECIFIED IN TABLES  $\pm$  REQUESTED TOLERANCE WHEN MEASURED AT OR REFERRED TO 1000  $\pm$  20 HZ AND 25  $\pm$  5 °C.

**TOLERANCE:**  $\pm$ 1%,  $\pm$ 2%,  $\pm$ 5%,  $\pm$ 10%, AND  $\pm$ 20% AVAILABLE. OTHER TOLERANCES AVAILABLE UPON REQUEST.

**DISSIPATION FACTOR:** SHALL NOT BE GREATER THAN 0.1% WHEN MEASURED AT OR REFERRED TO 1000  $\pm$  20 HZ AND 25  $\pm$  5 °C.

**INSULATION RESISTANCE:** SHALL BE GREATER THAN 200,000 M $\Omega$  FOR CAPACITANCE VALUES 0.5  $\mu$ F AND LESS OR 100,000 M $\Omega$  X  $\mu$ F FOR CAPACITANCE VALUES GREATER THAN 0.5 $\mu$ F WHEN MEASURED AFTER 2 MINUTES ELECTRIFICATION AT 100VDC AND 25  $\pm$  5 °C.

**DIELECTRIC STRENGTH:** 200% RATED VOLTAGE FOR 1 MINUTE THROUGH A LIMITING RESISTANCE OF 100 OHMS/VOLT AT 25  $\pm$  5 °C.

**RATED VOLTAGE:** 200VDC/135VAC AND 400VDC/270VAC AVAILABLE.

**TEMPERATURE:** -55 °C TO +105 °C AT FULL RATED VOLTAGE OPERATIONAL TEMPERATURE, +105 °C MAX STORAGE TEMPERATURE.

### ADDITIONAL INFORMATION

**ORDERING INFORMATION:** ALL ASC CAPACITORS ARE ORDERED BY "FAMILY CAP-TOL-VOLT" DESIGNATION. (I.E. TO ORDER A 355 0.0082 $\mu$ F,  $\pm$ 5%, 400VDC CAPACITOR, REQUEST PART NUMBER "355 .0082-5-400")

**SEE ALSO:** "GENERAL INFORMATION - POLYPROPYLENE CAPACITORS" DOCUMENT FOR ADDITIONAL PHYSICAL, ELECTRICAL, AND PERFORMANCE CHARACTERISTICS NOT MENTIONED IN THIS FILE.

**WARNING:** INFORMATION ON THIS FILE IS SUBJECT TO CHANGE WITHOUT NOTICE AT ASC'S DISCRETION.

LAST MODIFIED: 08/09/01