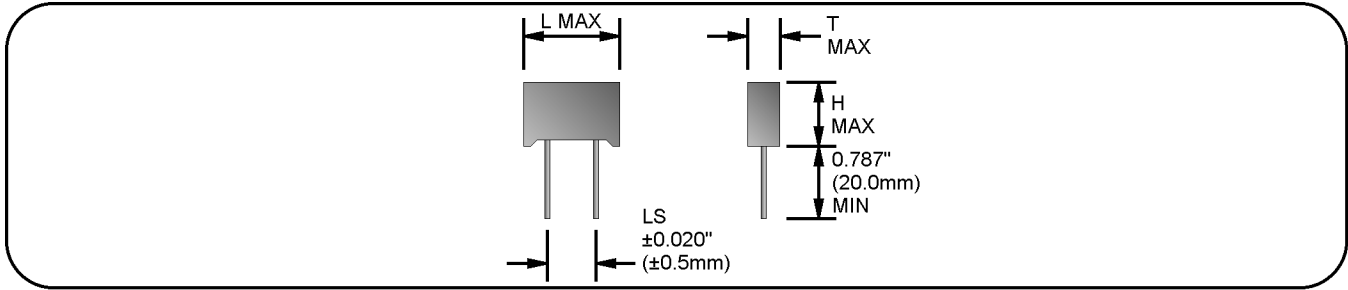


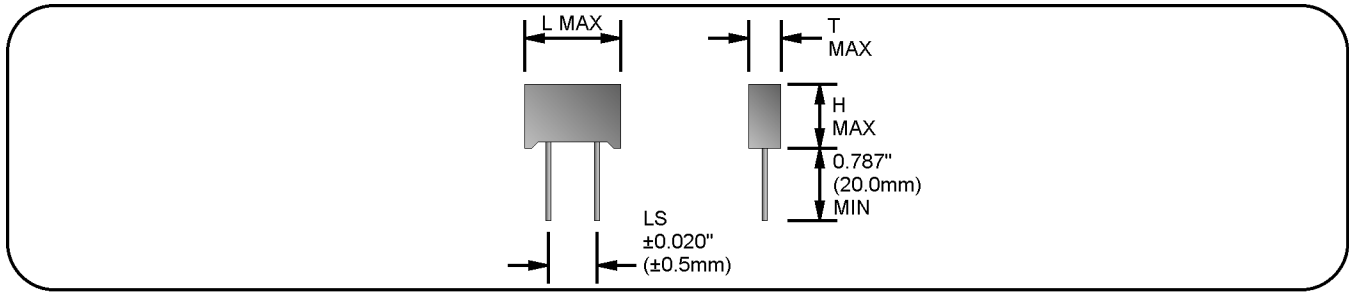
| 250VDC | | | | | | | |
|-----------|-----------------|-----------------|-----------------|-----------------------|-----------|-----|-----------------------|
| CAP (MFD) | T MAX | H MAX | L MAX | LS ± 0.020" (± 0.5mm) | CASE CODE | AWG | I _{PEAK} (A) |
| 0.010* | 0.157" (4.0mm) | 0.354" (9.0mm) | 0.413" (10.5mm) | 0.295" (7.5mm) | B2 | 22 | 0.2 |
| 0.010* | 0.157" (4.0mm) | 0.354" (9.0mm) | 0.512" (13.0mm) | 0.394" (10.0mm) | C1 | 20 | 0.1 |
| 0.015* | 0.157" (4.0mm) | 0.354" (9.0mm) | 0.413" (10.5mm) | 0.295" (7.5mm) | B2 | 22 | 0.2 |
| 0.015* | 0.157" (4.0mm) | 0.354" (9.0mm) | 0.512" (13.0mm) | 0.394" (10.0mm) | C1 | 20 | 0.2 |
| 0.022 | 0.157" (4.0mm) | 0.354" (9.0mm) | 0.512" (13.0mm) | 0.394" (10.0mm) | C1 | 20 | 0.2 |
| 0.033 | 0.157" (4.0mm) | 0.354" (9.0mm) | 0.512" (13.0mm) | 0.394" (10.0mm) | C1 | 20 | 0.4 |
| 0.047 | 0.197" (5.0mm) | 0.433" (11.0mm) | 0.512" (13.0mm) | 0.394" (10.0mm) | C2 | 20 | 0.5 |
| 0.068 | 0.197" (5.0mm) | 0.433" (11.0mm) | 0.512" (13.0mm) | 0.394" (10.0mm) | C2 | 20 | 0.7 |
| 0.10* | 0.236" (6.0mm) | 0.472" (12.0mm) | 0.512" (13.0mm) | 0.394" (10.0mm) | C3 | 20 | 1.1 |
| 0.10* | 0.197" (5.0mm) | 0.433" (11.0mm) | 0.709" (18.0mm) | 0.591" (15.0mm) | D1 | 20 | 0.7 |
| 0.15 | 0.236" (6.0mm) | 0.472" (12.0mm) | 0.709" (18.0mm) | 0.591" (15.0mm) | D2 | 20 | 1.1 |
| 0.22 | 0.236" (6.0mm) | 0.472" (12.0mm) | 0.709" (18.0mm) | 0.591" (15.0mm) | D2 | 20 | 1.5 |
| 0.33 | 0.236" (6.0mm) | 0.591" (15.0mm) | 1.043" (26.5mm) | 0.886" (22.5mm) | E1 | 20 | 1.3 |
| 0.47 | 0.276" (7.0mm) | 0.650" (16.5mm) | 1.043" (26.5mm) | 0.886" (22.5mm) | E2 | 20 | 1.9 |
| 0.68 | 0.276" (7.0mm) | 0.650" (16.5mm) | 1.043" (26.5mm) | 0.886" (22.5mm) | E2 | 20 | 2.7 |
| 1.0* | 0.394" (10.0mm) | 0.748" (19.0mm) | 1.043" (26.5mm) | 0.886" (22.5mm) | E4 | 20 | 4.0 |
| 1.0* | 0.433" (11.0mm) | 0.787" (20.0mm) | 1.260" (32.0mm) | 1.083" (27.5mm) | F1 | 20 | 3.0 |
| 1.5 | 0.433" (11.0mm) | 0.787" (20.0mm) | 1.260" (32.0mm) | 1.083" (27.5mm) | F1 | 20 | 4.5 |
| 2.2 | 0.512" (13.0mm) | 0.866" (22.0mm) | 1.260" (32.0mm) | 1.083" (27.5mm) | F2 | 20 | 6.6 |

* THESE ITEMS ARE AVAILABLE IN MULTIPLE CASE SIZES. PLEASE INDICATE CASE SIZE WHEN ORDERING. SEE "ORDERING INFORMATION" ON PAGE 4 FOR MORE INFORMATION



| 400VDC | | | | | | | |
|-----------|--------------------|--------------------|--------------------|-----------------------------|-----------|-----|-----------------------|
| CAP (MFD) | T MAX | H MAX | L MAX | LS ± 0.020" (± 0.5mm) | CASE CODE | AWG | I _{PEAK} (A) |
| 0.010 | 0.157" (4.0mm) | 0.354" (9.0mm) | 0.512" (13.0mm) | 0.394" (10.0mm) | C1 | 20 | 0.2 |
| 0.015 | 0.157" (4.0mm) | 0.354" (9.0mm) | 0.512" (13.0mm) | 0.394" (10.0mm) | C1 | 20 | 0.3 |
| 0.022 | 0.197" (5.0mm) | 0.433" (11.0mm) | 0.512" (13.0mm) | 0.394" (10.0mm) | C2 | 20 | 0.4 |
| 0.033 | 0.197" (5.0mm) | 0.433" (11.0mm) | 0.512" (13.0mm) | 0.394" (10.0mm) | C2 | 20 | 0.7 |
| 0.047 | 0.236" (6.0mm) | 0.472" (12.0mm) | 0.512" (13.0mm) | 0.394" (10.0mm) | C3 | 20 | 0.9 |
| 0.068 | 0.236" (6.0mm) | 0.472" (12.0mm) | 0.709" (18.0mm) | 0.591" (15.0mm) | D2 | 20 | 0.7 |
| 0.10 | 0.295" (7.5mm) | 0.531" (13.5mm) | 0.709" (18.0mm) | 0.591" (15.0mm) | D3 | 20 | 1.0 |
| 0.15 | 0.335" (8.5mm) | 0.571" (14.5mm) | 0.709" (18.0mm) | 0.591" (15.0mm) | D4 | 20 | 1.5 |
| 0.22 | 0.276" (7.0mm) | 0.650" (16.5mm) | 1.043" (26.5mm) | 0.886" (22.5mm) | E2 | 20 | 1.2 |
| 0.33 | 0.335" (8.5mm) | 0.669" (17.0mm) | 1.043" (26.5mm) | 0.886" (22.5mm) | E3 | 20 | 1.8 |
| 0.47* | 0.394" (10.0mm) | 0.748" (19.0mm) | 1.043" (26.5mm) | 0.886" (22.5mm) | E4 | 20 | 2.6 |
| 0.47* | 0.433" (11.0mm) | 0.787" (20.0mm) | 1.260" (32.0mm) | 1.083" (27.5mm) | F1 | 20 | 2.4 |
| 0.68 | 0.433" (11.0mm) | 0.787" (20.0mm) | 1.260" (32.0mm) | 1.083" (27.5mm) | F1 | 20 | 3.4 |
| 1.0 | 0.512" (13.0mm) | 0.866" (22.0mm) | 1.260" (32.0mm) | 1.083" (27.5mm) | F2 | 20 | 5.0 |
| 1.5 | 0.591" (15.0mm) | 1.181" (30.0mm) | 1.260" (32.0mm) | 1.083" (27.5mm) | G1 | 20 | 7.5 |

* THESE ITEMS ARE AVAILABLE IN MULTIPLE CASE SIZES. PLEASE INDICATE CASE SIZE WHEN ORDERING. SEE "ORDERING INFORMATION" ON PAGE 4 FOR MORE INFORMATION



| 630VDC | | | | | | | |
|-----------|-----------------|-----------------|-----------------|-----------------------|-----------|-----|-----------------------|
| CAP (MFD) | T MAX | H MAX | L MAX | LS ± 0.020" (± 0.5mm) | CASE CODE | AWG | I _{PEAK} (A) |
| 0.010 | 0.197" (5.0mm) | 0.433" (11.0mm) | 0.512" (13.0mm) | 0.394" (10.0mm) | C2 | 20 | 0.3 |
| 0.015 | 0.197" (5.0mm) | 0.433" (11.0mm) | 0.512" (13.0mm) | 0.394" (10.0mm) | C2 | 20 | 0.5 |
| 0.022 | 0.236" (6.0mm) | 0.472" (12.0mm) | 0.512" (13.0mm) | 0.394" (10.0mm) | C3 | 20 | 0.7 |
| 0.033 | 0.236" (6.0mm) | 0.472" (12.0mm) | 0.709" (18.0mm) | 0.591" (15.0mm) | D2 | 20 | 0.5 |
| 0.047 | 0.295" (7.5mm) | 0.531" (13.5mm) | 0.709" (18.0mm) | 0.591" (15.0mm) | D3 | 20 | 0.7 |
| 0.068 | 0.335" (8.5mm) | 0.571" (14.5mm) | 0.709" (18.0mm) | 0.591" (15.0mm) | D4 | 20 | 1.0 |
| 0.10 | 0.276" (7.0mm) | 0.650" (16.5mm) | 1.043" (26.5mm) | 0.886" (22.5mm) | E2 | 20 | 0.8 |
| 0.15 | 0.335" (8.5mm) | 0.669" (17.0mm) | 1.043" (26.5mm) | 0.886" (22.5mm) | E3 | 20 | 1.2 |
| 0.22* | 0.394" (10.0mm) | 0.748" (19.0mm) | 1.043" (26.5mm) | 0.886" (22.5mm) | E4 | 20 | 1.8 |
| 0.22* | 0.433" (11.0mm) | 0.787" (20.0mm) | 1.260" (32.0mm) | 1.083" (27.5mm) | F1 | 20 | 1.5 |
| 0.33 | 0.512" (13.0mm) | 0.866" (22.0mm) | 1.260" (32.0mm) | 1.083" (27.5mm) | F2 | 20 | 2.3 |
| 0.47 | 0.591" (15.0mm) | 1.181" (30.0mm) | 1.260" (32.0mm) | 1.083" (27.5mm) | G1 | 20 | 3.3 |

* THESE ITEMS ARE AVAILABLE IN MULTIPLE CASE SIZES. PLEASE INDICATE CASE SIZE WHEN ORDERING. SEE "ORDERING INFORMATION" ON PAGE 4 FOR MORE INFORMATION

GENERAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

CONSTRUCTION: NON-INDUCTIVE WOUND METALLIZED POLYPROPYLENE.

CASE: PREFORMED CASE WITH EPOXY FILL.

LEAD MATERIAL: 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 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 30,000 M Ω FOR CAPACITANCE VALUES 0.33 μ F AND LESS OR 10,000 M Ω x μ F FOR CAPACITANCE VALUES GREATER THAN 0.33 μ F WHEN MEASURED AFTER 1 MINUTE ELECTRIFICATION AT 100VDC AND 25 \pm 5 °C.

DIELECTRIC STRENGTH: 160% RATED VOLTAGE FOR 2 SECONDS THROUGH A LIMITING RESISTANCE OF 100 OHMS/VOLT AT 25 \pm 5 °C.

RATED VOLTAGE: 250VDC, 400VDC, AND 630VDC AVAILABLE.

TEMPERATURE: -40 °C TO +85 °C AT FULL RATED VOLTAGE OPERATIONAL, +105 °C MAX STORAGE TEMPERATURE.

ADDITIONAL INFORMATION

ORDERING INFORMATION: ALL ASC CAPACITORS ARE ORDERED BY "FAMILY CAP-TOL-VOLT" DESIGNATION. BECAUSE MANY VALUES ARE AVAILABLE IN MULTIPLE CASE SIZES, CASE CODE MUST ALSO BE INCLUDED IN PARENTHESIS AFTER THE FAMILY. (I.E. TO ORDER AN X324 0.1 μ F, \pm 10%, 250VDC CAPACITOR IN CASE SIZE C3, REQUEST PART NUMBER "X324(C3) .1-10-250")

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: 09/05/01