

| 63VDC | | | | |
|----------|----------------|----------------|----------------|-----------------------|
| CAP (μF) | T MAX | W MAX | L MAX | I _{PEAK} (A) |
| 0.022 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.31 |
| 0.027 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.38 |
| 0.033 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.46 |
| 0.039 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.55 |
| 0.047 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.66 |
| 0.056 | 0.147" (3.7mm) | 0.305" (7.7mm) | 0.295" (7.5mm) | 0.78 |
| 0.068 | 0.147" (3.7mm) | 0.305" (7.7mm) | 0.295" (7.5mm) | 0.95 |
| 0.082 | 0.147" (3.7mm) | 0.305" (7.7mm) | 0.295" (7.5mm) | 1.15 |
| 0.10 | 0.147" (3.7mm) | 0.305" (7.7mm) | 0.295" (7.5mm) | 1.40 |

| 100VDC | | | | |
|----------|----------------|----------------|----------------|-----------------------|
| CAP (μF) | T MAX | W MAX | L MAX | I _{PEAK} (A) |
| 0.0068 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.10 |
| 0.0082 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.11 |
| 0.010 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.14 |
| 0.012 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.17 |
| 0.015 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.21 |
| 0.018 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.25 |

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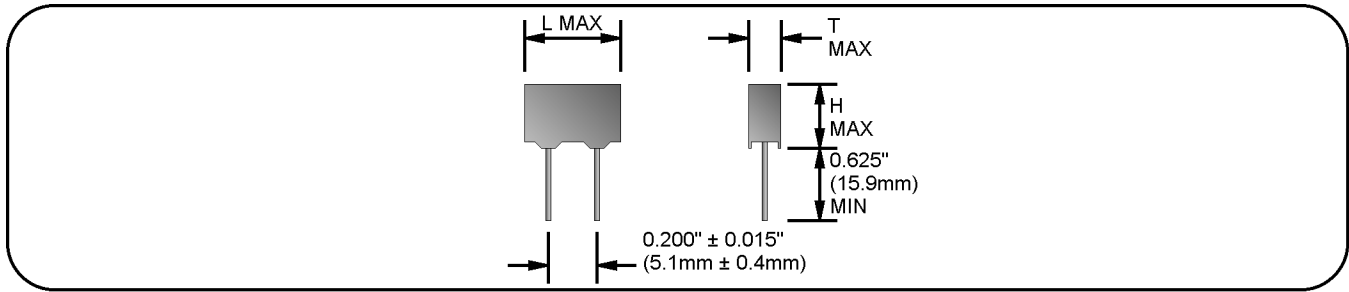
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| 250VDC | | | | |
|-------------|-------------------|-------------------|-------------------|--------------------------|
| CAP (μF) | T MAX | W MAX | L MAX | I _{PEAK} (A) |
| 0.0010 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.01 |
| 0.0012 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.02 |
| 0.0015 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.02 |
| 0.0018 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.03 |
| 0.0022 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.03 |
| 0.0027 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.04 |
| 0.0033 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.05 |
| 0.0039 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.05 |
| 0.0047 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.07 |
| 0.0056 | 0.108" (2.7mm) | 0.265" (6.7mm) | 0.295" (7.5mm) | 0.08 |

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GENERAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

CONSTRUCTION: NON-INDUCTIVE WOUND METALLIZED POLYCARBONATE.

CASE: FLAME RETARDANT PREFORMED CASE AND EPOXY FILL.

LEAD MATERIAL: SOLDER COATED OR TINNED SOLID 24 AWG WIRE.

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 0.3% WHEN MEASURED AT OR REFERRED TO 120 \pm 20 HZ AND 25 \pm 5 °C.

INSULATION RESISTANCE: SHALL BE GREATER THAN 100,000 M Ω WHEN MEASURED AFTER 2 MINUTES ELECTRIFICATION AT RATED VOLTAGE OR 100VDC, WHICHEVER IS LESS, AND 25 \pm 5 °C.

DIELECTRIC STRENGTH: 160% RATED VOLTAGE FOR 1 MINUTE THROUGH A LIMITING RESISTANCE OF 100 OHMS/VOLT AT 25 \pm 5 °C.

RATED VOLTAGE: 63VDC, 100VDC, AND 250VDC AVAILABLE.

TEMPERATURE: -55 °C TO +125 °C AT FULL RATED VOLTAGE OPERATIONAL TEMPERATURE, +125 °C MAX STORAGE TEMPERATURE.

ADDITIONAL INFORMATION

ORDERING INFORMATION: ALL ASC CAPACITORS ARE ORDERED BY "FAMILY CAP-TOL-VOLT" DESIGNATION. (I.E. TO ORDER AN X441 0.1 μ F, \pm 10%, 63VDC CAPACITOR, REQUEST PART NUMBER "X441 .1-10-63")

SEE ALSO: "GENERAL INFORMATION - POLYCARBONATE 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.

AVAILABILITY: POLYCARBONATE DIELECTRIC IS NO LONGER MANUFACTURED FOR CAPACITOR PRODUCTION. AVAILABILITY IS LIMITED TO REMAINING ASC RAW MATERIAL AND FINISHED GOODS STOCK. POLYCARBONATE DIELECTRIC IS NOT RECOMMENDED FOR NEW OR ONGOING DESIGNS.

LAST MODIFIED: 09/26/01