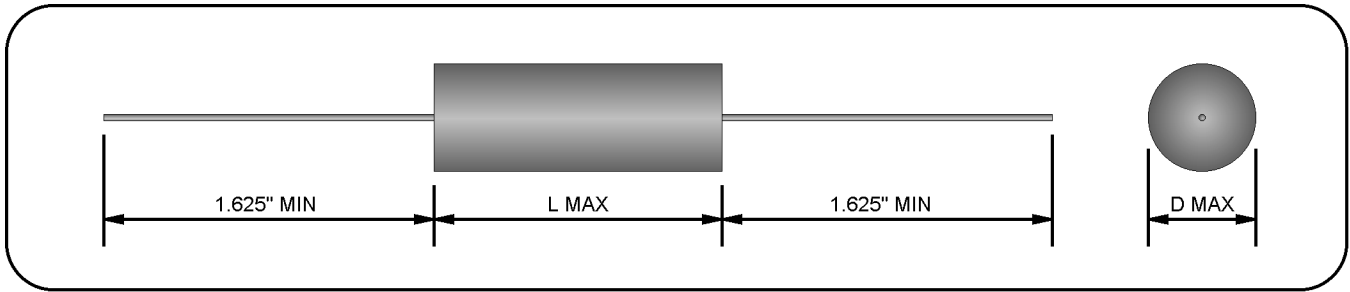


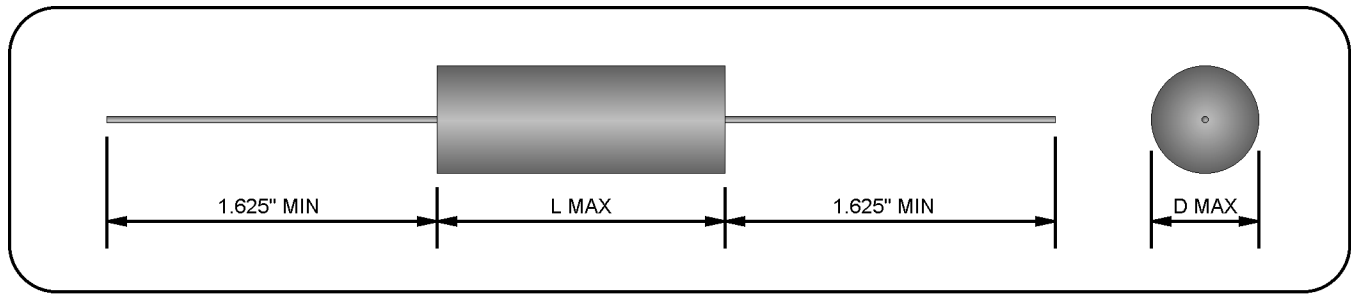
2000VDC				
CAP (μF)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.0010	0.250" (6.4mm)	1.284" (32.6mm)	22	0.1
0.0015	0.250" (6.4mm)	1.284" (32.6mm)	22	0.2
0.0022	0.250" (6.4mm)	1.284" (32.6mm)	22	0.2
0.0033	0.290" (7.4mm)	1.284" (32.6mm)	22	0.4
0.0047	0.310" (7.9mm)	1.284" (32.6mm)	22	0.5
0.0068	0.350" (8.9mm)	1.284" (32.6mm)	22	0.7
0.010	0.380" (9.7mm)	1.284" (32.6mm)	22	1.1
0.015	0.460" (11.7mm)	1.284" (32.6mm)	20	1.7
0.022	0.520" (13.2mm)	1.284" (32.6mm)	20	2.4
0.033	0.590" (15.0mm)	1.284" (32.6mm)	20	3.6
0.047	0.730" (18.5mm)	1.284" (32.6mm)	20	5.2
0.068	0.570" (14.5mm)	1.914" (48.6mm)	20	2.3
0.10	0.630" (16.0mm)	1.914" (48.6mm)	20	3.4
0.15	0.780" (19.8mm)	1.914" (48.6mm)	20	5.1
0.22	0.890" (22.6mm)	1.914" (48.6mm)	20	7.5
0.33	1.000" (25.4mm)	1.914" (48.6mm)	20	11.2
0.47	1.250" (31.8mm)	1.914" (48.6mm)	20	16.0
0.68	1.500" (38.1mm)	1.914" (48.6mm)	20	23.1
1.0	1.800" (45.7mm)	1.914" (48.6mm)	20	34.0

4000VDC				
CAP (μF)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.0010	0.275" (7.0mm)	1.284" (32.6mm)	22	0.2
0.0015	0.300" (7.6mm)	1.284" (32.6mm)	22	0.3
0.0022	0.325" (8.3mm)	1.284" (32.6mm)	22	0.5
0.0033	0.350" (8.9mm)	1.284" (32.6mm)	22	0.7
0.0047	0.400" (10.2mm)	1.284" (32.6mm)	22	1.0
0.0068	0.450" (11.4mm)	1.284" (32.6mm)	20	1.5
0.010	0.500" (12.7mm)	1.284" (32.6mm)	20	2.2
0.015	0.600" (15.2mm)	1.284" (32.6mm)	20	3.3
0.022	0.475" (12.1mm)	1.914" (48.6mm)	20	1.5
0.033	0.560" (14.2mm)	1.914" (48.6mm)	20	2.2
0.047	0.660" (16.8mm)	1.914" (48.6mm)	20	3.1
0.068	0.775" (19.7mm)	1.914" (48.6mm)	20	4.5
0.10	0.950" (24.1mm)	1.914" (48.6mm)	20	6.6
0.15	1.100" (27.9mm)	1.914" (48.6mm)	20	9.9
0.22	1.300" (33.0mm)	1.914" (48.6mm)	20	14.5
0.33	1.500" (38.1mm)	1.914" (48.6mm)	20	21.8



6000VDC				
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.0010	0.320" (8.1mm)	1.664" (42.3mm)	22	0.2
0.0015	0.330" (8.4mm)	1.664" (42.3mm)	22	0.3
0.0022	0.350" (8.9mm)	1.664" (42.3mm)	22	0.4
0.0033	0.400" (10.2mm)	1.664" (42.3mm)	22	0.6
0.0047	0.430" (10.9mm)	1.664" (42.3mm)	20	0.8
0.0068	0.500" (12.7mm)	1.664" (42.3mm)	20	1.2
0.010	0.580" (14.7mm)	1.664" (42.3mm)	20	1.7
0.015	0.680" (17.3mm)	1.664" (42.3mm)	20	2.6
0.022	0.800" (20.3mm)	1.664" (42.3mm)	20	3.8
0.033	0.650" (16.5mm)	2.664" (67.7mm)	20	3.4
0.047	0.740" (18.8mm)	2.664" (67.7mm)	20	4.8
0.068	0.880" (22.4mm)	2.664" (67.7mm)	20	6.9
0.10	1.060" (26.9mm)	2.664" (67.7mm)	20	10.2
0.15	1.200" (30.5mm)	2.664" (67.7mm)	20	15.3

8000VDC				
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.0010	0.320" (8.1mm)	2.034" (51.7mm)	22	0.2
0.0015	0.350" (8.9mm)	2.034" (51.7mm)	22	0.3
0.0022	0.380" (9.7mm)	2.034" (51.7mm)	22	0.5
0.0033	0.430" (10.9mm)	2.034" (51.7mm)	20	0.7
0.0047	0.480" (12.2mm)	2.034" (51.7mm)	20	1.1
0.0068	0.560" (14.2mm)	2.034" (51.7mm)	20	1.5
0.010	0.660" (16.8mm)	2.034" (51.7mm)	20	2.3
0.015	0.780" (19.8mm)	2.034" (51.7mm)	20	3.4
0.022	0.940" (23.9mm)	2.034" (51.7mm)	20	5.0
0.033	1.110" (28.2mm)	2.034" (51.7mm)	20	7.5
0.047	0.830" (21.1mm)	3.344" (84.9mm)	20	6.2
0.068	1.025" (26.0mm)	3.344" (84.9mm)	20	9.0
0.10	1.250" (31.8mm)	3.344" (84.9mm)	20	13.2



10000VDC				
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.0010	0.320" (8.1mm)	2.407" (61.1mm)	22	0.3
0.0015	0.370" (9.4mm)	2.407" (61.1mm)	22	0.5
0.0022	0.410" (10.4mm)	2.407" (61.1mm)	20	0.7
0.0033	0.470" (11.9mm)	2.407" (61.1mm)	20	1.0
0.0047	0.540" (13.7mm)	2.407" (61.1mm)	20	1.5
0.0068	0.630" (16.0mm)	2.407" (61.1mm)	20	2.1
0.010	0.740" (18.8mm)	2.407" (61.1mm)	20	3.2
0.015	0.880" (22.4mm)	2.407" (61.1mm)	20	4.7
0.022	1.040" (26.4mm)	2.407" (61.1mm)	20	7.0
0.033	0.850" (21.6mm)	3.969" (100.8mm)	20	5.6
0.047	1.000" (25.4mm)	3.969" (100.8mm)	20	8.0

16000VDC				
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.0010	0.450" (11.4mm)	3.219" (81.8mm)	20	0.5
0.0015	0.540" (13.7mm)	3.219" (81.8mm)	20	0.7
0.0022	0.620" (15.7mm)	3.219" (81.8mm)	20	1.0
0.0033	0.700" (17.8mm)	3.219" (81.8mm)	20	1.5
0.0047	0.800" (20.3mm)	3.219" (81.8mm)	20	2.2
0.0068	1.040" (26.4mm)	3.219" (81.8mm)	20	3.2
0.010	1.150" (29.2mm)	3.219" (81.8mm)	20	4.6
0.015	1.390" (35.3mm)	3.219" (81.8mm)	20	7.0
0.022	1.650" (41.9mm)	3.219" (81.8mm)	20	10.2
0.033	1.800" (45.7mm)	3.219" (81.8mm)	20	15.3

## GENERAL SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

**CONSTRUCTION:** NON-INDUCTIVE WOUND METALLIZED POLYESTER.

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

**DISSIPATION FACTOR:** SHALL NOT BE GREATER THAN 1.0% WHEN MEASURED AT OR REFERRED TO 1000  $\pm$  20 Hz AND 25  $\pm$  5 °C.

**INSULATION RESISTANCE:** SHALL BE GREATER THAN 25,000 M $\Omega$  FOR CAPACITANCE VALUES 0.40  $\mu$ F AND LESS OR 10,000 M $\Omega$  X  $\mu$ F FOR CAPACITANCE VALUES GREATER THAN 0.40  $\mu$ F WHEN MEASURED AFTER 2 MINUTES ELECTRIFICATION AT 500VDC AND 25  $\pm$  5 °C.

**DIELECTRIC STRENGTH:** 140% RATED VOLTAGE FOR 10 SECONDS THROUGH A LIMITING RESISTANCE OF 100 OHMS/VOLT AT 25  $\pm$  5 °C.

**RATED VOLTAGE:** 2000VDC, 4000VDC, 6000VDC, 8000VDC, 10000VDC, AND 16000VDC AVAILABLE.

**TEMPERATURE:** -55 °C TO +65 °C AT FULL RATED VOLTAGE OPERATIONAL TEMPERATURE, TO +85 °C WITH 25% VOLTAGE DERATING, +105 °C MAX STORAGE TEMPERATURE.

### ADDITIONAL INFORMATION

**ORDERING INFORMATION:** ALL ASC CAPACITORS ARE ORDERED BY "FAMILY CAP-TOL-VOLT" DESIGNATION. (I.E. TO ORDER AN X675 0.047 $\mu$ F,  $\pm$ 5%, 10000VDC CAPACITOR, REQUEST PART NUMBER "X675 .047-5-10000")

**SEE ALSO:** "GENERAL INFORMATION - POLYESTER 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: 08/23/01