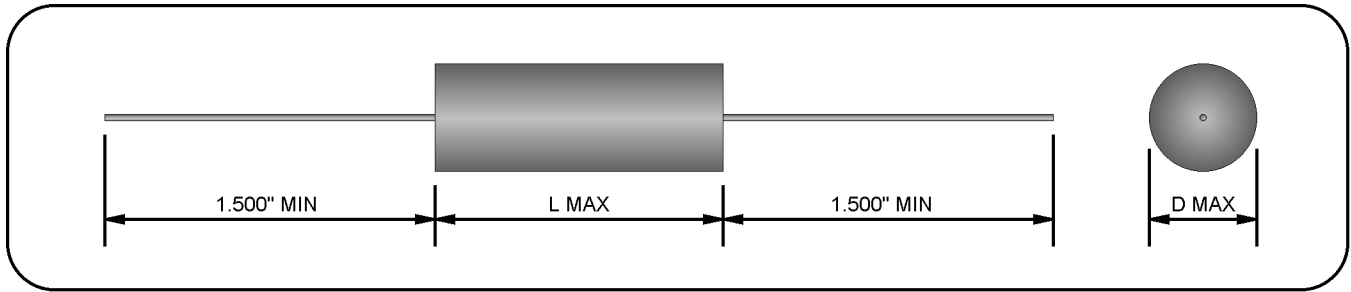


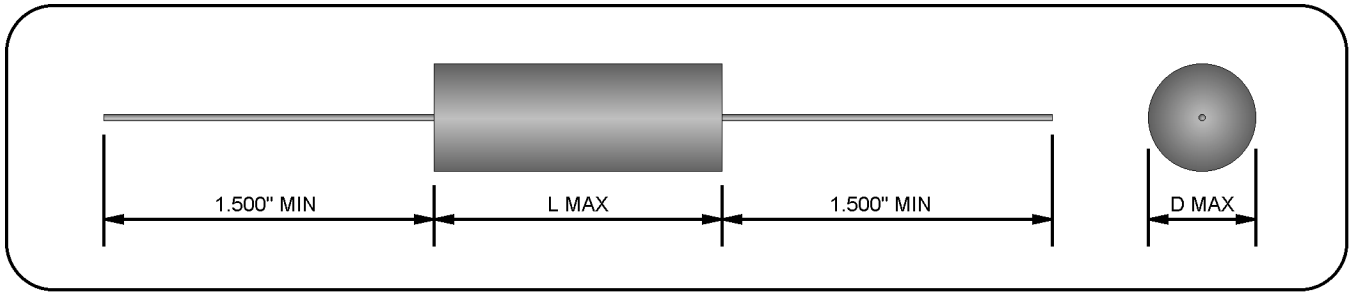
100VDC				
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.010	0.197" (5.0mm)	0.413" (10.5mm)	22	0.1
0.015	0.197" (5.0mm)	0.413" (10.5mm)	22	0.1
0.022	0.197" (5.0mm)	0.413" (10.5mm)	22	0.1
0.033	0.197" (5.0mm)	0.413" (10.5mm)	22	0.2
0.047	0.217" (5.5mm)	0.413" (10.5mm)	22	0.2
0.068	0.217" (5.5mm)	0.413" (10.5mm)	22	0.3
0.10	0.236" (6.0mm)	0.413" (10.5mm)	22	0.5
0.15	0.236" (6.0mm)	0.551" (14.0mm)	22	0.8
0.22	0.256" (6.5mm)	0.551" (14.0mm)	22	1.1
0.33	0.295" (7.5mm)	0.551" (14.0mm)	22	1.7
0.47	0.276" (7.0mm)	0.748" (19.0mm)	22	1.4
0.68	0.315" (8.0mm)	0.748" (19.0mm)	22	2.0

100VDC				
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
1.0	0.374" (9.5mm)	0.748" (19.0mm)	20	3.0
1.5	0.374" (9.5mm)	0.984" (25.0mm)	20	3.0
2.2	0.453" (11.5mm)	0.984" (25.0mm)	20	4.4
3.3	0.531" (13.5mm)	0.984" (25.0mm)	20	6.6
4.7	0.551" (14.0mm)	1.260" (32.0mm)	20	4.7
6.8	0.669" (17.0mm)	1.260" (32.0mm)	20	6.8
8.2	0.709" (18.0mm)	1.260" (32.0mm)	20	8.2
10.0	0.768" (19.5mm)	1.260" (32.0mm)	20	10.0
12.0	0.807" (20.5mm)	1.457" (37.0mm)	20	10.8
15.0	0.827" (21.0mm)	1.850" (47.0mm)	20	10.5
18.0	0.945" (24.0mm)	1.850" (47.0mm)	20	12.6

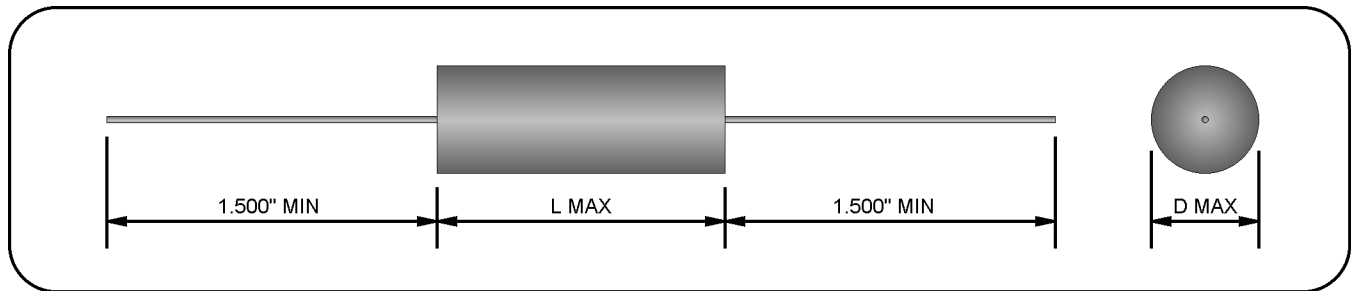


250VDC				
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.010	0.197" (5.0mm)	0.413" (10.5mm)	22	0.1
0.015	0.197" (5.0mm)	0.413" (10.5mm)	22	0.2
0.022	0.197" (5.0mm)	0.413" (10.5mm)	22	0.2
0.033	0.197" (5.0mm)	0.413" (10.5mm)	22	0.3
0.047	0.217" (5.5mm)	0.551" (14.0mm)	22	0.5
0.068	0.217" (5.5mm)	0.551" (14.0mm)	22	0.7
0.10	0.236" (6.0mm)	0.551" (14.0mm)	22	1.0
0.15	0.276" (7.0mm)	0.551" (14.0mm)	22	1.5
0.22	0.276" (7.0mm)	0.748" (19.0mm)	22	1.5
0.33	0.315" (8.0mm)	0.748" (19.0mm)	22	2.3

250VDC				
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.47	0.374" (9.5mm)	0.748" (19.0mm)	20	3.3
0.68	0.374" (9.5mm)	0.984" (25.0mm)	20	2.7
1.0	0.413" (10.5mm)	0.984" (25.0mm)	20	4.0
1.5	0.453" (11.5mm)	1.260" (32.0mm)	20	3.8
2.2	0.531" (13.5mm)	1.260" (32.0mm)	20	5.5
3.3	0.650" (16.5mm)	1.260" (32.0mm)	20	8.3
4.7	0.709" (18.0mm)	1.457" (37.0mm)	20	7.1
6.8	0.768" (19.5mm)	1.693" (43.0mm)	20	6.8
8.2	0.807" (20.5mm)	1.850" (47.0mm)	20	6.6
10.0	0.886" (22.5mm)	1.850" (47.0mm)	20	8.0



400VDC				
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.010	0.217" (5.5mm)	0.551" (14.0mm)	22	0.1
0.015	0.217" (5.5mm)	0.551" (14.0mm)	22	0.2
0.022	0.217" (5.5mm)	0.551" (14.0mm)	22	0.3
0.033	0.236" (6.0mm)	0.551" (14.0mm)	22	0.4
0.047	0.276" (7.0mm)	0.551" (14.0mm)	22	0.6
0.068	0.256" (6.5mm)	0.748" (19.0mm)	22	0.7
0.10	0.295" (7.5mm)	0.748" (19.0mm)	22	1.0
0.15	0.335" (8.5mm)	0.748" (19.0mm)	20	1.5
0.22	0.335" (8.5mm)	0.984" (25.0mm)	20	1.4
0.33	0.394" (10.0mm)	0.984" (25.0mm)	20	2.1
0.47	0.433" (11.0mm)	1.260" (32.0mm)	20	1.9
0.68	0.512" (13.0mm)	1.260" (32.0mm)	20	2.7
1.0	0.610" (15.5mm)	1.260" (32.0mm)	20	4.0
1.5	0.689" (17.5mm)	1.260" (32.0mm)	20	6.0
2.2	0.728" (18.5mm)	1.457" (37.0mm)	20	6.6
3.3	0.846" (21.5mm)	1.693" (43.0mm)	20	5.0
4.7	1.004" (25.5mm)	1.693" (43.0mm)	20	7.1



630VDC				
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.010	0.236" (6.0mm)	0.551" (14.0mm)	22	0.2
0.015	0.256" (6.5mm)	0.551" (14.0mm)	22	0.3
0.022	0.276" (7.0mm)	0.551" (14.0mm)	22	0.4
0.033	0.256" (6.5mm)	0.748" (19.0mm)	22	0.5
0.047	0.295" (7.5mm)	0.748" (19.0mm)	22	0.7
0.068	0.335" (8.5mm)	0.748" (19.0mm)	20	1.0
0.10	0.374" (9.5mm)	0.984" (25.0mm)	20	1.0
0.15	0.413" (10.5mm)	0.984" (25.0mm)	20	1.5
0.22	0.413" (10.5mm)	1.260" (32.0mm)	20	1.3
0.33	0.453" (11.5mm)	1.260" (32.0mm)	20	2.0
0.47	0.551" (14.0mm)	1.260" (32.0mm)	20	2.8
0.68	0.669" (17.0mm)	1.260" (32.0mm)	20	4.1
1.0	0.807" (20.5mm)	1.260" (32.0mm)	20	6.0
1.5	0.768" (19.5mm)	1.850" (47.0mm)	20	2.7

## GENERAL SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

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

**CASE:** 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 15,000 M $\Omega$  FOR CAPACITANCE VALUES 0.33  $\mu$ F AND LESS OR 5,000 M $\Omega$  X  $\mu$ F FOR CAPACITANCE VALUES GREATER THAN 0.33 $\mu$ F WHEN MEASURED AFTER 2 MINUTES 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:** 100VDC, 250VDC, 400VDC, AND 630VDC AVAILABLE.

**TEMPERATURE:** -40 °C TO +85 °C AT FULL RATED VOLTAGE OPERATIONAL TEMPERATURE, DERATE LINEARLY 1.5%/°C ABOVE +85 °C TO +105 °C, +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 X668 1.0 $\mu$ F,  $\pm$ 10%, 200VDC CAPACITOR, REQUEST PART NUMBER "X668 1-10-200")

**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: 08/27/01