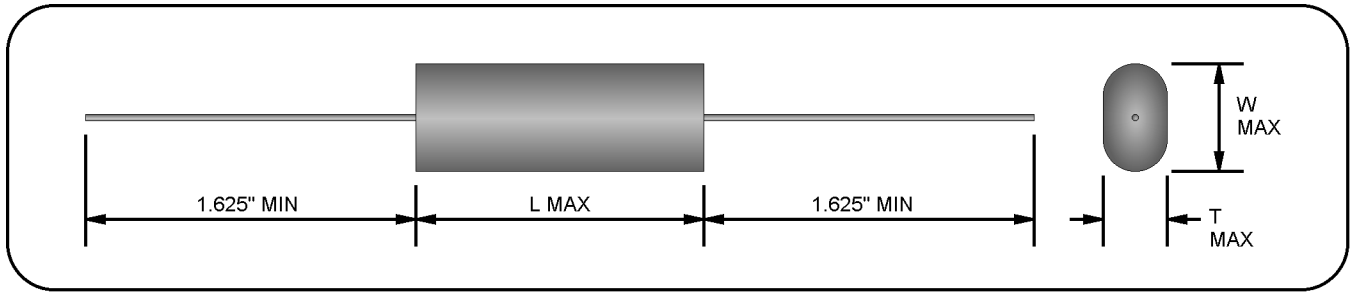


220VAC					
CAP (μF)	T MAX	W MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.50	0.295" (7.5mm)	0.492" (12.5mm)	1.354" (34.4mm)	22	2.1
0.68	0.295" (7.5mm)	0.492" (12.5mm)	1.354" (34.4mm)	22	2.9
1.00	0.295" (7.5mm)	0.492" (12.5mm)	1.354" (34.4mm)	22	4.2
1.25	0.271" (6.9mm)	0.580" (14.7mm)	1.354" (34.4mm)	22	5.3
1.50	0.302" (7.7mm)	0.611" (15.5mm)	1.354" (34.4mm)	22	6.3
1.80	0.336" (8.5mm)	0.646" (16.4mm)	1.354" (34.4mm)	22	7.6
2.00	0.364" (9.2mm)	0.659" (16.7mm)	1.354" (34.4mm)	20	8.4
3.00	0.456" (11.6mm)	0.765" (19.4mm)	1.354" (34.4mm)	20	12.6
4.00	0.539" (13.7mm)	0.848" (21.5mm)	1.354" (34.4mm)	20	16.8
5.00	0.614" (15.6mm)	0.923" (23.4mm)	1.354" (34.4mm)	20	21.0
6.00	0.551" (14.0mm)	0.866" (22.0mm)	1.794" (45.6mm)	20	18.0
7.00	0.590" (15.0mm)	0.905" (23.0mm)	1.794" (45.6mm)	20	21.0
8.00	0.610" (15.5mm)	1.000" (25.4mm)	1.794" (45.6mm)	20	24.0
9.00	0.649" (16.5mm)	1.020" (25.9mm)	1.794" (45.6mm)	20	27.0
10.0	0.590" (15.0mm)	0.964" (24.5mm)	2.234" (56.7mm)	20	20.0

220VAC					
CAP (μF)	T MAX	W MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
11.0	0.629" (16.0mm)	0.984" (25.0mm)	2.234" (56.7mm)	20	22.0
12.0	0.669" (17.0mm)	1.020" (25.9mm)	2.234" (56.7mm)	20	24.0
13.0	0.691" (17.6mm)	1.034" (26.3mm)	2.234" (56.7mm)	20	26.0
14.0	0.644" (16.4mm)	0.986" (25.0mm)	2.624" (66.6mm)	20	23.8
15.0	0.657" (16.7mm)	1.028" (26.1mm)	2.624" (66.6mm)	20	25.5
16.0	0.682" (17.3mm)	1.053" (26.7mm)	2.624" (66.6mm)	20	27.2
17.0	0.707" (18.0mm)	1.078" (27.4mm)	2.624" (66.6mm)	20	28.9
18.0	0.731" (18.6mm)	1.102" (28.0mm)	2.624" (66.6mm)	20	30.6
19.0	0.755" (19.2mm)	1.126" (28.6mm)	2.624" (66.6mm)	20	32.3
20.0	0.777" (19.7mm)	1.148" (29.2mm)	2.624" (66.6mm)	20	34.0
21.0	0.800" (20.3mm)	1.171" (29.7mm)	2.624" (66.6mm)	20	35.7
22.0	0.822" (20.9mm)	1.193" (30.3mm)	2.624" (66.6mm)	20	37.4
23.0	0.843" (21.4mm)	1.214" (30.8mm)	2.624" (66.6mm)	20	39.1
24.0	0.864" (21.9mm)	1.235" (31.4mm)	2.624" (66.6mm)	20	40.8
25.0	0.885" (22.5mm)	1.256" (31.9mm)	2.624" (66.6mm)	20	42.5



250VAC					
CAP ( $\mu$ F)	T MAX	W MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.50	0.334" (8.5mm)	0.590" (15.0mm)	1.354" (34.4mm)	22	2.5
0.68	0.340" (8.6mm)	0.590" (15.0mm)	1.354" (34.4mm)	22	3.4
1.00	0.334" (8.5mm)	0.590" (15.0mm)	1.354" (34.4mm)	22	5.0
1.25	0.375" (9.5mm)	0.625" (15.9mm)	1.354" (34.4mm)	22	6.3
1.50	0.425" (10.8mm)	0.655" (16.6mm)	1.354" (34.4mm)	22	7.5
1.80	0.460" (11.7mm)	0.700" (17.8mm)	1.354" (34.4mm)	22	9.0
2.00	0.472" (12.0mm)	0.720" (18.3mm)	1.354" (34.4mm)	20	10.0
3.00	0.564" (14.3mm)	0.873" (22.2mm)	1.354" (34.4mm)	20	15.0
4.00	0.637" (16.2mm)	1.008" (25.6mm)	1.354" (34.4mm)	20	20.0
5.00	0.590" (15.0mm)	0.964" (24.5mm)	1.794" (45.6mm)	20	16.5
6.00	0.688" (17.5mm)	1.060" (26.9mm)	1.794" (45.6mm)	20	19.8
7.00	0.708" (18.0mm)	1.080" (27.4mm)	1.794" (45.6mm)	20	23.1
8.00	0.649" (16.5mm)	1.020" (25.9mm)	2.234" (56.7mm)	20	20.0
9.00	0.688" (17.5mm)	1.060" (26.9mm)	2.234" (56.7mm)	20	22.5
10.0	0.728" (18.5mm)	1.100" (27.9mm)	2.234" (56.7mm)	20	25.0
11.0	0.678" (17.2mm)	1.049" (26.6mm)	2.624" (66.6mm)	20	22.0
12.0	0.714" (18.1mm)	1.085" (27.6mm)	2.624" (66.6mm)	20	24.0
13.0	0.719" (18.3mm)	1.152" (29.3mm)	2.624" (66.6mm)	20	26.0
14.0	0.752" (19.1mm)	1.185" (30.1mm)	2.624" (66.6mm)	20	28.0
15.0	0.784" (19.9mm)	1.217" (30.9mm)	2.624" (66.6mm)	20	30.0

## 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 10,000 M $\Omega$  X  $\mu$  WHEN MEASURED AFTER 2 MINUTES ELECTRIFICATION AT 200VDC AND 25  $\pm$  5 °C.

**DIELECTRIC STRENGTH:** 400VDC (FOR 220VAC RATING) AND 500VDC (FOR 250VAC RATING) FOR 1 MINUTE THROUGH A LIMITING RESISTANCE OF 100 OHMS/VOLT AT 25  $\pm$  5 °C.

**RATED VOLTAGE:** 220VAC AND 250VAC AVAILABLE. ALL RATINGS ARE FOR 50/60 HZ OPERATION.

**TEMPERATURE:** -55 °C TO +85 °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 AN X637 1.0 $\mu$ F,  $\pm$ 10%, 250VAC CAPACITOR, REQUEST PART NUMBER "X637 1-10-250")

**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: 09/26/01