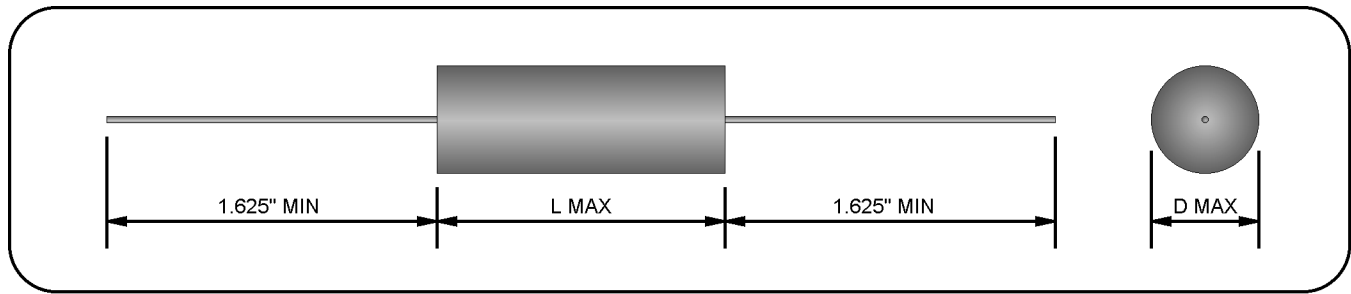


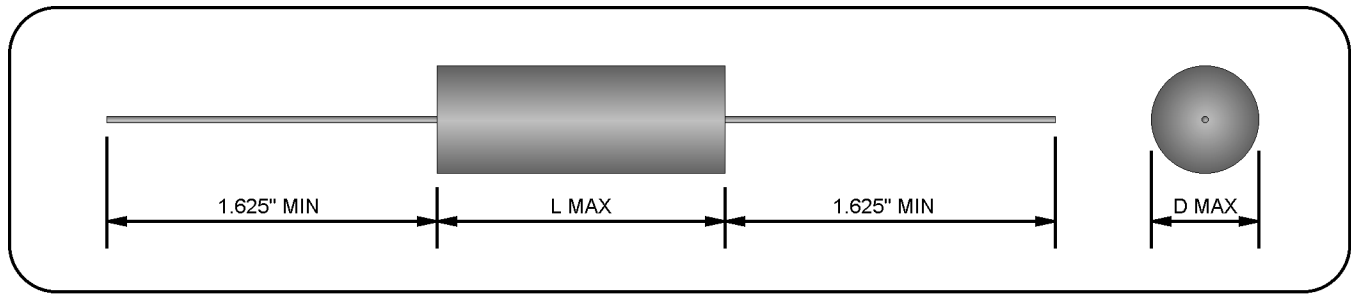
100VDC / 67VAC				
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.010	0.203" (5.2mm)	0.532" (13.5mm)	24	0.5
0.012	0.203" (5.2mm)	0.532" (13.5mm)	24	0.6
0.015	0.203" (5.2mm)	0.532" (13.5mm)	24	0.7
0.018	0.219" (5.6mm)	0.532" (13.5mm)	24	0.8
0.022	0.219" (5.6mm)	0.532" (13.5mm)	24	1.0
0.027	0.235" (6.0mm)	0.532" (13.5mm)	24	1.2
0.033	0.250" (6.4mm)	0.532" (13.5mm)	24	1.5
0.039	0.250" (6.4mm)	0.532" (13.5mm)	24	1.8
0.047	0.266" (6.8mm)	0.532" (13.5mm)	24	2.2
0.056	0.281" (7.1mm)	0.532" (13.5mm)	24	2.6
0.068	0.266" (6.8mm)	0.594" (15.1mm)	24	1.9
0.082	0.281" (7.1mm)	0.594" (15.1mm)	24	2.3
0.10	0.297" (7.5mm)	0.594" (15.1mm)	24	2.8
0.12	0.329" (8.4mm)	0.594" (15.1mm)	24	3.4
0.15	0.313" (8.0mm)	0.657" (16.7mm)	24	3.0
0.18	0.329" (8.4mm)	0.657" (16.7mm)	24	3.6
0.22	0.360" (9.1mm)	0.657" (16.7mm)	24	4.4
0.27	0.391" (9.9mm)	0.657" (16.7mm)	24	5.4

100VDC / 67VAC				
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.33	0.360" (9.1mm)	0.782" (19.9mm)	22	4.3
0.39	0.375" (9.5mm)	0.782" (19.9mm)	22	5.1
0.47	0.407" (10.3mm)	0.782" (19.9mm)	22	6.1
0.56	0.438" (11.1mm)	0.782" (19.9mm)	22	7.3
0.68	0.437" (11.1mm)	0.907" (23.0mm)	22	6.5
0.82	0.469" (11.9mm)	0.907" (23.0mm)	22	7.8
1.00	0.500" (12.7mm)	0.907" (23.0mm)	22	9.5
1.25	0.500" (12.7mm)	1.032" (26.2mm)	20	9.4
1.50	0.531" (13.5mm)	1.032" (26.2mm)	20	11.3
1.80	0.578" (14.7mm)	1.032" (26.2mm)	20	13.5
2.00	0.610" (15.5mm)	1.032" (26.2mm)	20	15.0
3.00	0.625" (15.9mm)	1.344" (34.1mm)	20	16.5
4.00	0.703" (17.9mm)	1.344" (34.1mm)	20	22.0
5.00	0.766" (19.5mm)	1.344" (34.1mm)	20	27.5
8.00	0.844" (21.4mm)	1.594" (40.5mm)	20	32.0
10.0	0.953" (24.2mm)	1.594" (40.5mm)	20	40.0
12.0	0.953" (24.2mm)	1.844" (46.8mm)	18	42.0
15.0	1.047" (26.6mm)	1.844" (46.8mm)	18	52.5



200VDC / 135VAC				
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.010	0.235" (6.0mm)	0.532" (13.5mm)	24	0.7
0.012	0.250" (6.4mm)	0.532" (13.5mm)	24	0.8
0.015	0.266" (6.8mm)	0.532" (13.5mm)	24	1.0
0.018	0.281" (7.1mm)	0.532" (13.5mm)	24	1.2
0.022	0.250" (6.4mm)	0.594" (15.1mm)	24	0.9
0.027	0.266" (6.8mm)	0.594" (15.1mm)	24	1.1
0.033	0.281" (7.1mm)	0.594" (15.1mm)	24	1.4
0.039	0.313" (8.0mm)	0.594" (15.1mm)	24	1.6
0.047	0.297" (7.5mm)	0.657" (16.7mm)	24	1.4
0.056	0.329" (8.4mm)	0.657" (16.7mm)	24	1.7
0.068	0.344" (8.7mm)	0.657" (16.7mm)	24	2.0
0.082	0.375" (9.5mm)	0.657" (16.7mm)	24	2.5
0.10	0.344" (8.7mm)	0.782" (19.9mm)	22	1.9
0.12	0.360" (9.1mm)	0.782" (19.9mm)	22	2.3
0.15	0.391" (9.9mm)	0.782" (19.9mm)	22	2.9
0.18	0.422" (10.7mm)	0.782" (19.9mm)	22	3.4
0.22	0.454" (11.5mm)	0.782" (19.9mm)	22	4.2

200VDC / 135VAC				
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.27	0.438" (11.1mm)	0.907" (23.0mm)	22	3.8
0.33	0.484" (12.3mm)	0.907" (23.0mm)	22	4.6
0.39	0.516" (13.1mm)	0.907" (23.0mm)	22	5.5
0.47	0.500" (12.7mm)	1.032" (26.2mm)	20	5.2
0.56	0.547" (13.9mm)	1.032" (26.2mm)	20	6.2
0.68	0.578" (14.7mm)	1.032" (26.2mm)	20	7.5
0.82	0.641" (16.3mm)	1.032" (26.2mm)	20	9.0
1.00	0.610" (15.5mm)	1.344" (34.1mm)	20	8.0
1.25	0.656" (16.7mm)	1.344" (34.1mm)	20	10.0
1.50	0.703" (17.9mm)	1.344" (34.1mm)	20	12.0
1.80	0.750" (19.1mm)	1.344" (34.1mm)	20	14.4
2.00	0.782" (19.9mm)	1.344" (34.1mm)	20	16.0
3.00	0.828" (21.0mm)	1.594" (40.5mm)	20	18.0
4.00	0.969" (24.6mm)	1.594" (40.5mm)	20	24.0
5.00	0.969" (24.6mm)	1.844" (46.8mm)	18	25.0
8.00	1.031" (26.2mm)	2.344" (59.5mm)	18	28.0
10.0	1.125" (28.6mm)	2.344" (59.5mm)	18	35.0



400VDC / 270VAC				
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.010	0.281" (7.1mm)	0.532" (13.5mm)	24	0.9
0.012	0.297" (7.5mm)	0.532" (13.5mm)	24	1.1
0.015	0.297" (7.5mm)	0.594" (15.1mm)	24	0.8
0.018	0.313" (8.0mm)	0.594" (15.1mm)	24	1.0
0.022	0.329" (8.4mm)	0.594" (15.1mm)	24	1.2
0.027	0.313" (8.0mm)	0.657" (16.7mm)	24	1.1
0.033	0.329" (8.4mm)	0.657" (16.7mm)	24	1.3
0.039	0.360" (9.1mm)	0.657" (16.7mm)	24	1.6
0.047	0.329" (8.4mm)	0.782" (19.9mm)	22	1.2
0.056	0.344" (8.7mm)	0.782" (19.9mm)	22	1.5
0.068	0.375" (9.5mm)	0.782" (19.9mm)	22	1.8
0.082	0.391" (9.9mm)	0.782" (19.9mm)	22	2.1
0.10	0.391" (9.9mm)	0.907" (23.0mm)	22	1.9
0.12	0.407" (10.3mm)	0.907" (23.0mm)	22	2.3
0.15	0.438" (11.1mm)	0.907" (23.0mm)	22	2.9
0.18	0.484" (12.3mm)	0.907" (23.0mm)	22	3.4

400VDC / 270VAC				
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG	I <sub>PEAK</sub> (A)
0.22	0.484" (12.3mm)	1.032" (26.2mm)	20	3.3
0.27	0.531" (13.5mm)	1.032" (26.2mm)	20	4.1
0.33	0.562" (14.3mm)	1.032" (26.2mm)	20	5.0
0.39	0.609" (15.5mm)	1.032" (26.2mm)	20	5.9
0.47	0.578" (14.7mm)	1.344" (34.1mm)	20	5.2
0.56	0.610" (15.5mm)	1.344" (34.1mm)	20	6.2
0.68	0.656" (16.7mm)	1.344" (34.1mm)	20	7.5
0.82	0.719" (18.3mm)	1.344" (34.1mm)	20	9.0
1.00	0.703" (17.9mm)	1.594" (40.5mm)	20	8.0
1.25	0.766" (19.5mm)	1.594" (40.5mm)	20	10.0
1.50	0.828" (21.0mm)	1.594" (40.5mm)	20	12.0
1.80	0.813" (20.7mm)	1.844" (46.8mm)	18	11.7
2.00	0.891" (22.6mm)	1.844" (46.8mm)	18	13.0
3.00	1.047" (26.6mm)	1.844" (46.8mm)	18	19.5
4.00	1.000" (25.4mm)	2.344" (59.5mm)	18	20.0
5.00	1.109" (28.2mm)	2.344" (59.5mm)	18	25.0

## GENERAL SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

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

**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:**  $\pm$ 1%,  $\pm$ 2%,  $\pm$ 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 300,000 M $\Omega$  FOR CAPACITANCE VALUES 0.33  $\mu$ F AND LESS OR 100,000 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:** 200% RATED VOLTAGE FOR 1 MINUTE THROUGH A LIMITING RESISTANCE OF 100 OHMS/VOLT AT 25  $\pm$  5 °C.

**RATED VOLTAGE:** 100VDC/67VAC, 200VDC/135VAC, AND 400VDC/270VAC AVAILABLE.

**TEMPERATURE:** -55 °C TO +105 °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 X363 1.0 $\mu$ F,  $\pm$ 10%, 200VDC CAPACITOR, REQUEST PART NUMBER "X363 1-10-200")

**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: 08/15/01