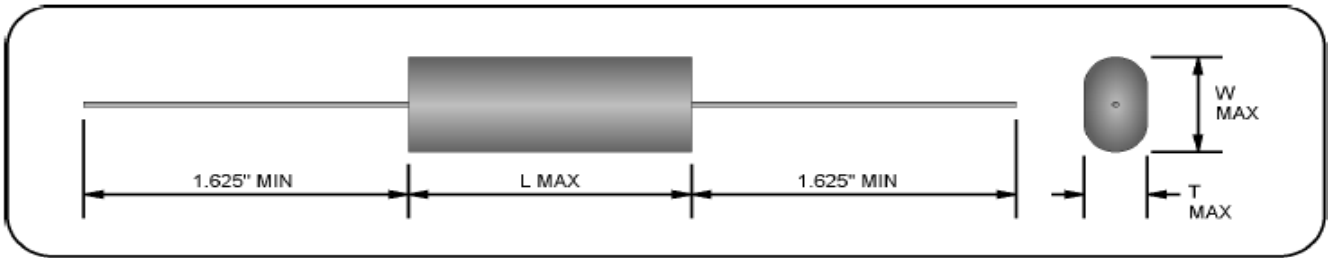
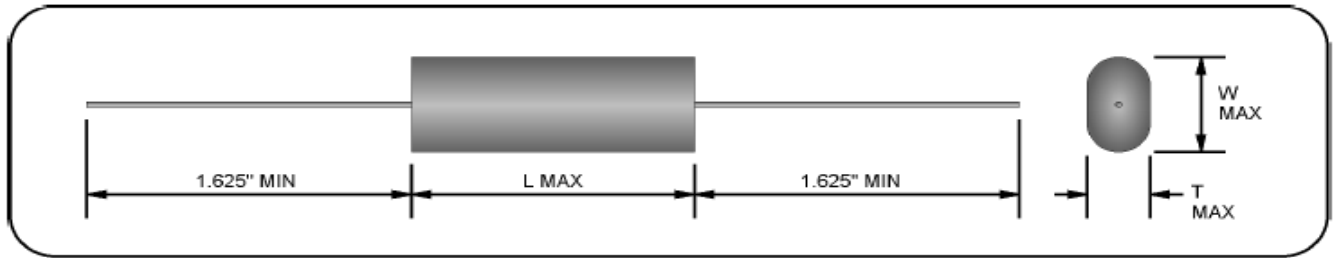


50VDC					
CAP (MFD)	T Max (mm)	W Max (mm)	L Max (mm)	Lead AWG	I _{peak} (A)
0.027	3.2mm	5.6mm	13.5mm	24	0.7
0.033	3.6mm	5.6mm	13.5mm	24	0.9
0.039	4.0mm	6.0mm	13.5mm	24	1.1
0.047	4.4mm	6.4mm	13.5mm	24	1.3
0.056	4.8mm	7.1mm	13.5mm	24	1.5
0.068	4.8mm	7.5mm	13.5mm	24	1.8
0.082	4.4mm	7.9mm	16.7mm	24	0.9
0.1	4.8mm	7.9mm	16.7mm	24	1.1
0.12	5.2mm	8.7mm	16.7mm	24	1.3
0.15	5.6mm	9.1mm	16.7mm	24	1.7
0.18	6.0mm	9.5mm	16.7mm	24	2
0.22	4.4mm	7.9mm	19.9mm	24	1.5
0.27	4.8mm	8.3mm	19.9mm	24	1.9
0.33	5.6mm	9.1mm	19.9mm	24	2.3
0.39	6.0mm	9.5mm	19.9mm	24	2.7
0.47	6.4mm	9.5mm	19.9mm	22	3.3
0.56	7.5mm	9.9mm	19.9mm	22	3.9
0.68	7.9mm	10.7mm	19.9mm	22	4.8
0.82	6.4mm	11.1mm	23.0mm	22	4.5
1.0	7.1mm	11.5mm	23.0mm	22	5.5
1.25	8.3mm	13.5mm	23.0mm	20	6.9
1.5	8.3mm	13.5mm	26.2mm	20	6
1.8	9.1mm	14.7mm	26.2mm	20	7.2
2.0	9.5mm	15.1mm	26.2mm	20	8
3.0	10.3mm	15.9mm	34.1mm	20	9
4.0	9.5mm	18.3mm	40.5mm	20	10
5.0	11.1mm	19.5mm	40.5mm	20	12.5
8.0	12.3mm	23.0mm	46.8mm	20	16
10.0	14.7mm	25.0mm	46.8mm	20	20

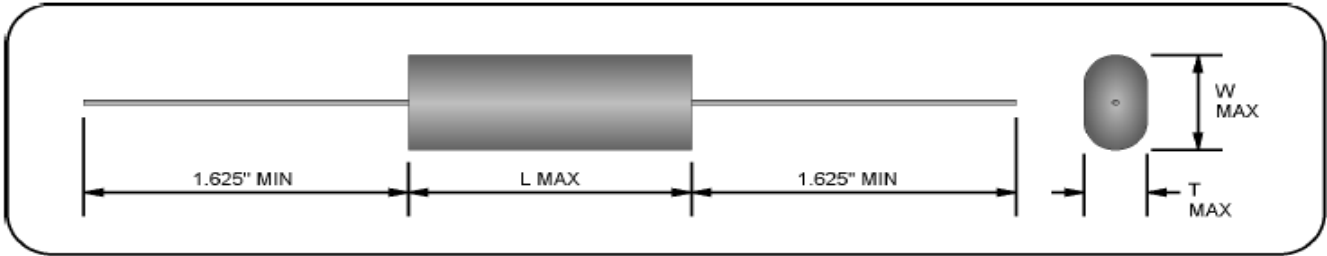


100VDC / 200VDC					
CAP (MFD)	T Max (mm)	W Max (mm)	L Max (mm)	Lead AWG	Ipeak (A)
0.01	4.0mm	5.6mm	13.5mm	24	0.5
0.012	4.4mm	6.0mm	13.5mm	24	0.6
0.015	4.4mm	6.4mm	13.5mm	24	0.7
0.018	4.8mm	7.1mm	13.5mm	24	0.8
0.022	5.5mm	8.7mm	14mm	24	1
0.027	5.6mm	7.5mm	13.5mm	24	1.2
0.033	5.6mm	7.9mm	13.5mm	24	1.5
0.039	4.4mm	7.5mm	16.7mm	24	0.7
0.047	4.8mm	7.9mm	16.7mm	24	0.9
0.056	5.2mm	8.3mm	16.7mm	24	1.1
0.068	5.6mm	8.7mm	16.7mm	24	1.3
0.082	6.0mm	9.1mm	16.7mm	24	1.6
0.10	6.4mm	9.5mm	16.7mm	22	1.9
0.12	7.5mm	10.3mm	16.7mm	22	2.3
0.15	7.9mm	11.1mm	16.7mm	22	2.9
0.18	6.4mm	9.9mm	19.9mm	22	2.2
0.22	7.1mm	10.7mm	19.9mm	22	2.6
0.27	7.9mm	11.9mm	19.9mm	22	3.2
0.33	8.3mm	13.1mm	19.9mm	20	4
0.39	9.1mm	13.5mm	19.9mm	20	4.7
0.47	9.9mm	14.7mm	19.9mm	20	5.6
0.56	9.1mm	13.5mm	26.2mm	20	3.9
0.68	9.5mm	14.7mm	26.2mm	20	4.8
0.82	10.3mm	15.9mm	26.2mm	20	5.7

100VDC / 200VDC					
CAP (MFD)	T Max (mm)	W Max (mm)	L Max (mm)	Lead AWG	Ipeak (A)
1.0	11.1mm	16.3mm	26.2mm	20	7
1.25	10.7mm	15.1mm	34.1mm	20	6.3
1.5	11.5mm	16.3mm	34.1mm	20	7.5
1.8	11.5mm	18.3mm	34.1mm	20	9
2.0	11.5mm	19.8mm	34.1mm	20	10
3.0	12.7mm	21.0mm	40.5mm	20	12
4.0	13.9mm	24.2mm	40.5mm	20	16
5.0	14.7mm	24.6mm	46.8mm	20	15
8.0	19.1mm	31.8mm	48.4mm	18	24
10.0	20.7mm	32.2mm	48.4mm	18	30



400VDC					
CAP (MFD)	T Max (mm)	W Max (mm)	L Max (mm)	Lead AWG	I _{peak} (A)
0.01	4.4mm	7.9mm	19.9mm	24	0.3
0.012	4.8mm	8.3mm	19.9mm	24	0.3
0.015	5.2mm	8.7mm	19.9mm	24	0.4
0.018	5.6mm	9.1mm	19.9mm	24	0.5
0.022	6.0mm	9.1mm	19.9mm	24	0.6
0.027	7.1mm	9.9mm	19.9mm	22	0.7
0.033	7.5mm	10.7mm	19.9mm	22	0.8
0.039	6.4mm	8.7mm	26.2mm	22	0.5
0.047	6.4mm	9.5mm	26.2mm	22	0.7
0.056	7.1mm	10.7mm	26.2mm	22	0.8
0.068	7.1mm	11.9mm	26.2mm	22	1
0.082	7.9mm	12.7mm	26.2mm	22	1.1
0.10	8.7mm	13.5mm	26.2mm	20	1.4
0.12	9.1mm	15.1mm	26.2mm	20	1.7
0.15	9.9mm	15.9mm	26.2mm	20	2.1
0.18	8.3mm	15.1mm	34.1mm	20	1.8
0.22	8.7mm	15.9mm	34.1mm	20	2.2
0.27	9.9mm	15.5mm	40.5mm	20	2.2
0.33	10.3mm	16.7mm	40.5mm	20	2.6
0.39	11.1mm	18.6mm	40.5mm	20	3.1
0.47	11.5mm	19.8mm	40.5mm	20	3.8
0.56	11.5mm	22.2mm	40.5mm	20	4.5
0.68	11.9mm	24.2mm	40.5mm	20	5.4
0.82	13.9mm	21.4mm	46.8mm	20	5.3
1.0	14.7mm	23.8mm	46.8mm	20	6.5
1.25	15.5mm	27.0mm	46.8mm	20	8.1
1.5	15.9mm	30.2mm	46.8mm	18	9.8
1.8	18.6mm	30.2mm	46.8mm	18	11.7
2.0	21.0mm	30.2mm	46.8mm	18	13
3.0	23.8mm	37.3mm	46.8mm	18	19.5



600VDC					
CAP (MFD)	T Max (mm)	W Max (mm)	L Max (mm)	Lead AWG	Ipeak (A)
0.01	5.6mm	8.7mm	19.9mm	24	0.4
0.012	6.0mm	9.5mm	19.9mm	24	0.4
0.015	6.4mm	9.9mm	19.9mm	22	0.5
0.018	7.1mm	11.5mm	19.9mm	22	0.6
0.022	7.5mm	12.7mm	19.9mm	22	0.8
0.027	7.9mm	13.1mm	19.9mm	22	1
0.033	8.7mm	13.9mm	19.9mm	22	1.2
0.039	6.4mm	11.5mm	26.2mm	22	0.8
0.047	7.1mm	12.3mm	26.2mm	22	1
0.056	8.3mm	13.5mm	26.2mm	20	1.2
0.068	9.1mm	15.1mm	26.2mm	20	1.4
0.082	9.9mm	15.9mm	26.2mm	20	1.7
0.10	10.7mm	16.7mm	26.2mm	20	2.1
0.12	9.1mm	15.9mm	34.1mm	20	1.8
0.15	9.9mm	17.1mm	34.1mm	20	2.3
0.18	11.5mm	18.3mm	34.1mm	20	2.7
0.22	12.7mm	19.5mm	34.1mm	20	3.3
0.27	13.5mm	21.4mm	34.1mm	20	4.1
0.33	14.7mm	22.6mm	40.5mm	20	3.6
0.39	14.7mm	23.4mm	40.5mm	20	4.3
0.47	14.7mm	24.2mm	40.5mm	20	5.2
0.56	17.1mm	26.2mm	40.5mm	18	6.2
0.68	18.6mm	27.8mm	40.5mm	18	7.5
0.82	17.5mm	29.4mm	46.8mm	18	7.8
1.00	18.6mm	31.8mm	46.8mm	18	9.5
1.25	21.4mm	34.1mm	46.8mm	18	11.9
1.5	23.4mm	36.5mm	46.8mm	18	14.3
1.8	26.2mm	38.9mm	46.8mm	18	17.1
2.0	27.8mm	40.1mm	46.8mm	18	19

GENERAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

CONSTRUCTION: NON-INDUCTIVE WOUND METALLIZED POLYESTER.

CASE: FLAME RETARDANT TAPE WRAP CASE WITH 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% OR \pm 20% AVAILABLE. OTHER TOLERANCES AVAILABLE UPON REQUEST.

DISSIPATION FACTOR: SHALL NOT BE GREATER THAN 0.1% WHEN MEASURED AT OR REFERRED TO 1000 HZ 20 \pm 5 °C; EXCEPT FOR CAPACITORS HAVING A THICKNESS LESS THAN 0.202" (5.1MM), THEN DF SHALL NOT BE GREATER THAN 1.5%.

INSULATION RESISTANCE: SHALL BE GREATER THAN 25,000 M Ω FOR CAPACITANCE VALUES 0.40 μ F AND LESS OR 10,000 M Ω x μ F FOR CAPACITANCE VALUES GREATER THAN 0.40 μ F WHEN MEASURED AFTER 2 MINUTES ELECTRIFICATION AT RATED VOLTAGE OR 500VDC, WHICHEVER IS LESS, 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: 50VDC, 100VDC, 200VDC, 400VDC, AND 600VDC AVAILABLE.

TEMPERATURE: -55 °C TO +85 °C AT FULL RATED VOLTAGE OPERATIONAL TEMPERATURE, DERATE LINEARLY 1.25%/°C ABOVE +85 °C TO +125 °C, +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 X663F 1.0 μ F, \pm 10%, 200VDC CAPACITOR, REQUEST PART NUMBER "X663F 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: 3/12/2025