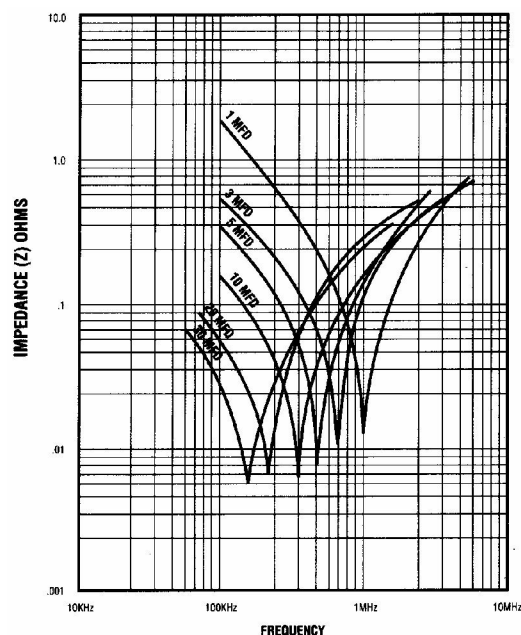
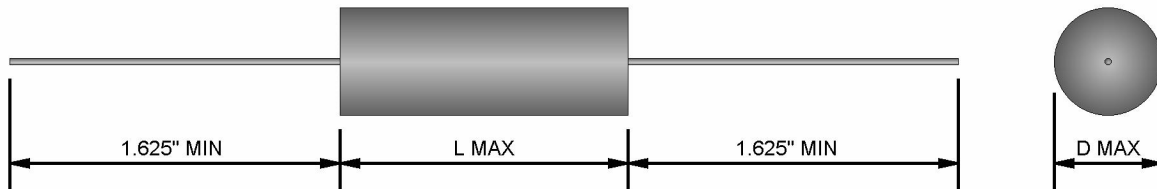


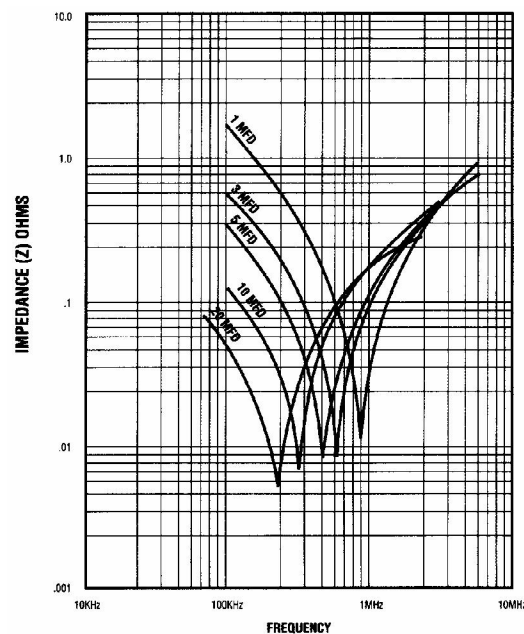
100VDC/63VAC										
CAP (MFD)	D MAX	L MAX	LEAD AWG	I _{RMS} (A)				I _{PEAK} (A)	dv/dt MAX (V/μs)	ESR MAX @ 100kHz (mΩ)
				25°C	40°C	65°C	90°C			
1.0	0.528" (13.4mm)	0.907" (23.0mm)	20	9.2	7.8	6.0	3.5	15.0	15.0	20.0
2.0	0.644" (16.4mm)	1.032" (26.2mm)	20	10.8	9.1	7.0	5.0	17.0	8.5	17.0
3.0	0.754" (19.2mm)	1.032" (26.2mm)	20	12.1	10.3	8.0	5.5	19.0	6.3	15.0
5.0	0.809" (20.5mm)	1.344" (34.1mm)	18	13.8	11.6	9.0	6.5	25.0	5.0	13.0
10.0	0.970" (24.6mm)	1.594" (40.5mm)	18	15.0	14.2	11.0	8.0	40.0	4.0	11.0
20.0	1.095" (27.8mm)	2.344" (59.5mm)	18	15.0	15.0	13.6	9.5	60.0	3.0	9.0
30.0	1.325" (33.7mm)	2.344" (59.5mm)	18	15.0	15.0	15.0	10.5	78.0	2.6	8.0



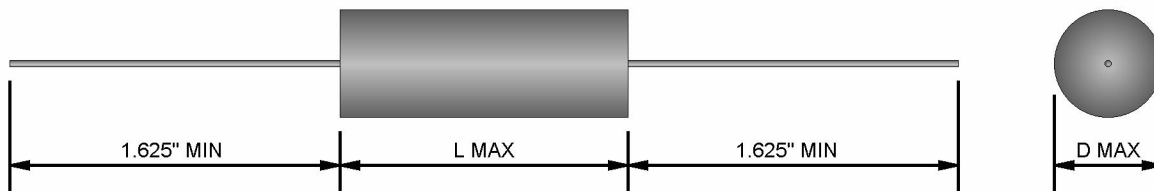
TYPICAL IMPEDANCE VS. FREQUENCY



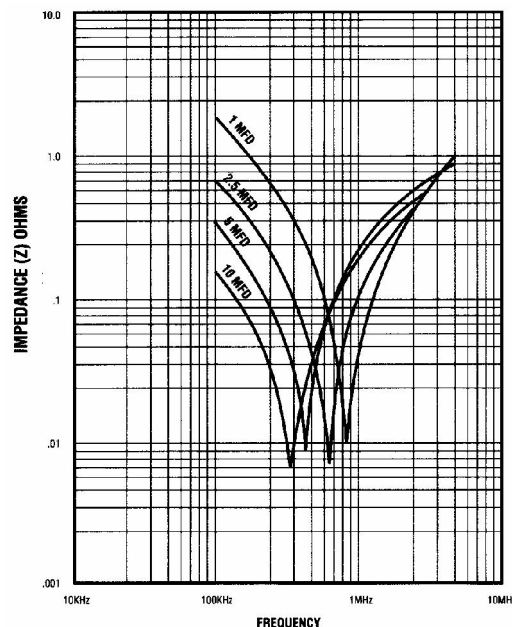
200VDC/135VAC										
CAP (MFD)	D MAX	L MAX	LEAD AWG	I _{RMS} (A)				I _{PEAK} (A)	dv/dt MAX (V/μs)	ESR MAX @ 100kHz (mΩ)
				25°C	40°C	65°C	90°C			
1.0	0.610" (15.5mm)	1.344" (34.1mm)	20	7.3	7.3	7.2	4.5	11.0	11.0	20.0
2.0	0.782" (19.9mm)	1.344" (34.1mm)	18	12.0	11.3	8.7	6.0	20.0	10.0	17.0
3.0	0.828" (21.0mm)	1.594" (40.5mm)	18	15.0	12.6	9.8	7.0	23.0	7.7	15.0
5.0	0.969" (24.6mm)	1.844" (46.8mm)	18	15.0	14.7	11.4	8.0	26.0	5.2	13.0
10.0	1.125" (28.6mm)	2.344" (59.5mm)	18	15.0	15.0	13.8	10.0	40.0	4.0	11.0
20.0	1.550" (39.4mm)	2.344" (59.5mm)	18	15.0	15.0	15.0	12.0	78.0	3.9	9.0



TYPICAL IMPEDANCE VS. FREQUENCY



400VDC/240VAC										
CAP (MFD)	D MAX	L MAX	LEAD AWG	I _{RMS} (A)				I _{PEAK} (A)	dv/dt MAX (V/μs)	ESR MAX @ 100kHz (mΩ)
				25°C	40°C	65°C	90°C			
1.0	0.703" (17.9mm)	1.594" (40.5mm)	20	9.5	9.5	9.5	6.0	14.0	14.0	20.0
2.0	0.891" (22.6mm)	1.844" (46.8mm)	18	15.0	15.0	11.6	8.0	22.0	11.0	17.0
3.0	1.047" (26.6mm)	1.844" (46.8mm)	18	15.0	15.0	13.1	9.0	30.0	10.0	15.0
5.0	1.109" (28.2mm)	2.344" (59.5mm)	18	15.0	15.0	15.0	11.0	35.0	7.0	13.0
10.0	1.668" (42.4mm)	2.344" (59.5mm)	18	15.0	15.0	15.0	13.5	45.0	4.5	11.0



TYPICAL IMPEDANCE VS. FREQUENCY

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 TABLE.

DIMENSIONS: AS SPECIFIED IN TABLE.

ELECTRICAL CHARACTERISTICS

CAPACITANCE: AS SPECIFIED IN TABLE $\pm$ REQUESTED TOLERANCE WHEN MEASURED AT OR REFERRED TO 1000 ± 20 Hz AND 25 ± 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 ± 20 Hz AND 25 ± 5 °C.

INSULATION RESISTANCE: SHALL BE GREATER THAN $100,000 \text{ M}\Omega \times \mu\text{F}$ WHEN MEASURED AFTER 2 MINUTES ELECTRIFICATION AT 100VDC AND 25 ± 5 °C.

DIELECTRIC STRENGTH: 200% RATED VOLTAGE FOR 1 MINUTE THROUGH A LIMITING RESISTANCE OF 100 OHMS/VOLT AT 25 ± 5 °C.

RATED VOLTAGE: 100VDC/67VAC, 200VDC/135VAC, AND 400VDC/240VAC AVAILABLE.

TEMPERATURE: -55 °C TO +90 °C AT FULL RATED CURRENT AND VOLTAGE OPERATIONAL TEMPERATURE, +105 °C MAX STORAGE TEMPERATURE.

RATED CURRENT: PEAK AND RMS CURRENTS AS SPECIFIED IN TABLE.

ESR (EQUIVALENT SERIES RESISTANCE): MAXIMUM ESR VALUES AT 100kHz AND 25 ± 5 °C AS SPECIFIED IN TABLES.

ADDITIONAL INFORMATION

ORDERING INFORMATION: ALL ASC CAPACITORS ARE ORDERED BY "FAMILY CAP-TOL-VOLT" DESIGNATION. (I.E. TO ORDER AN X335 5.0 μ F, $\pm 10\%$, 400VDC CAPACITOR, REQUEST PART NUMBER "X335 5-10-400")

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: 08/09/01