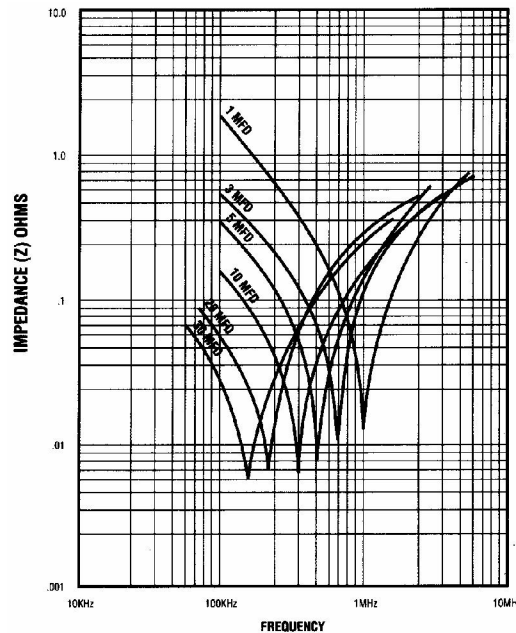
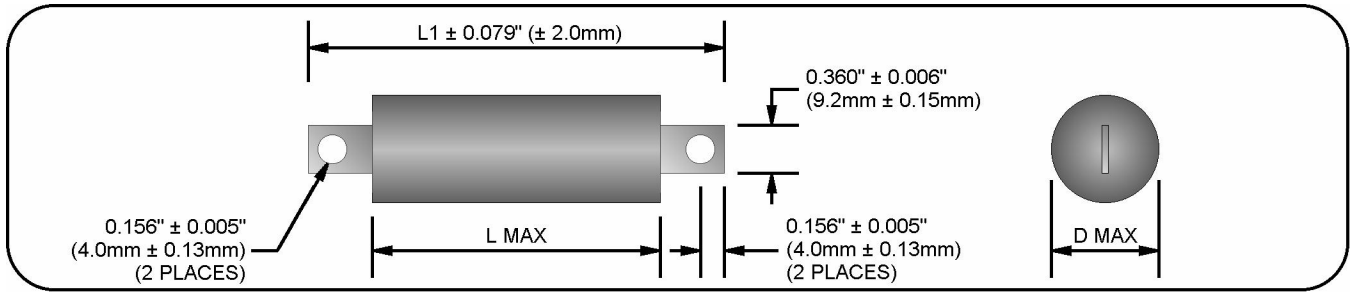


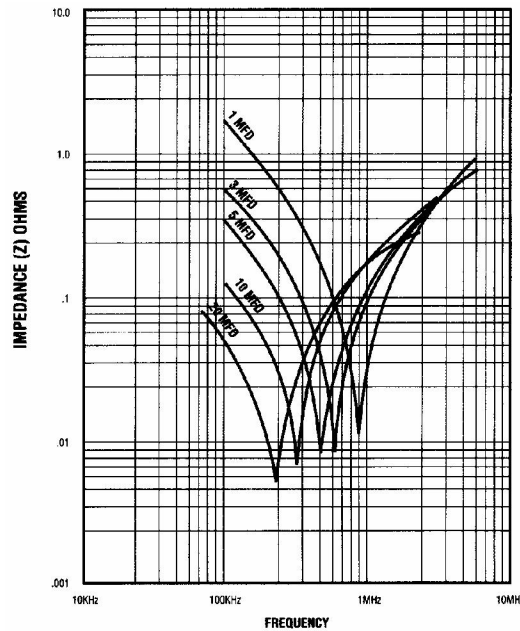
100VDC/67VAC										
CAP (MFD)	D MAX	L MAX	L1 ±0.079" (±2.0mm)	I _{RMS} (A)				I _{PEAK} (A)	dv/dt MAX (V/μs)	ESR MAX @ 100kHz (mΩ)
				25°C	40°C	65°C	90°C			
1.0	0.579" (14.7mm)	1.031" (26.2mm)	1.729" (43.9mm)	10.3	8.7	6.7	4.0	15.0	15.0	20.0
2.0	0.644" (16.4mm)	1.156" (29.4mm)	1.851" (47.0mm)	12.0	10.0	7.8	5.5	17.0	8.5	17.0
3.0	0.794" (20.2mm)	1.156" (29.4mm)	1.851" (47.0mm)	13.3	11.2	8.7	6.0	19.0	6.3	15.0
5.0	0.810" (20.6mm)	1.406" (35.7mm)	2.102" (53.4mm)	14.8	12.5	9.7	7.0	25.0	5.0	13.0
10.0	1.010" (25.7mm)	1.625" (41.3mm)	2.326" (59.1mm)	17.8	15.0	11.7	8.5	40.0	4.0	11.0
20.0	1.080" (27.4mm)	2.406" (61.1mm)	3.094" (78.6mm)	21.6	18.3	14.2	10.0	60.0	3.0	9.0
30.0	1.280" (32.5mm)	2.406" (61.1mm)	3.094" (78.6mm)	24.3	20.5	15.9	11.0	78.0	2.6	8.0

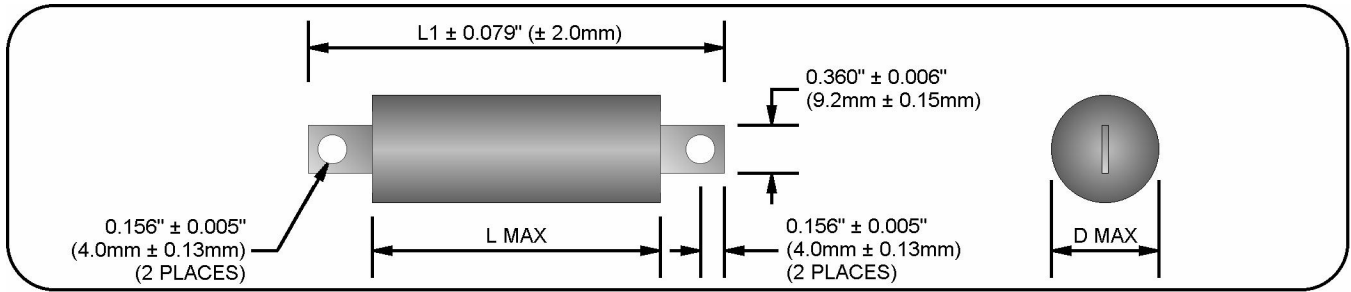


TYPICAL IMPEDANCE VS. FREQUENCY

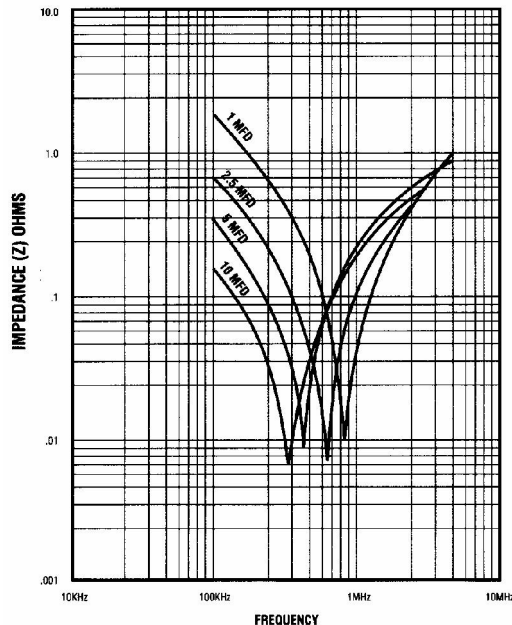


200VDC/135VAC										
CAP (MFD)	D MAX	L MAX	L1 ±0.079" (±2.0mm)	I _{RMS} (A)				I _{PEAK} (A)	dv/dt MAX (V/μs)	ESR MAX @ 100kHz (mΩ)
				25°C	40°C	65°C	90°C			
1.0	0.560" (14.2mm)	1.406" (35.7mm)	2.102" (53.4mm)	7.3	7.3	7.3	5.0	11.0	11.0	20.0
2.0	0.775" (19.7mm)	1.406" (35.7mm)	2.102" (53.4mm)	14.3	12.1	9.4	6.5	20.0	10.0	17.0
3.0	0.824" (20.9mm)	1.625" (41.3mm)	2.326" (59.1mm)	15.9	13.5	10.4	7.5	23.0	7.7	15.0
5.0	0.939" (23.9mm)	1.906" (48.4mm)	2.598" (66.0mm)	18.3	15.5	12.0	8.5	26.0	5.2	13.0
10.0	1.110" (28.2mm)	2.406" (61.1mm)	3.094" (78.6mm)	22.4	18.9	14.6	10.5	40.0	4.0	11.0
20.0	1.520" (38.6mm)	2.406" (61.1mm)	3.094" (78.6mm)	27.4	23.2	17.9	12.5	78.0	3.9	9.0





400VDC/240VAC										
CAP (MFD)	D MAX	L MAX	L1 ±0.079" (±2.0mm)	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	0.790" (20.1mm)	1.625" (41.3mm)	2.326" (59.1mm)	9.5	9.5	9.5	6.5	14.0	14.0	20.0
2.0	0.972" (24.7mm)	1.906" (48.4mm)	2.598" (66.0mm)	15.0	15.0	12.3	8.5	22.0	11.0	17.0
3.0	1.166" (29.6mm)	1.906" (48.4mm)	2.598" (66.0mm)	21.1	17.8	13.8	9.5	30.0	10.0	15.0
5.0	1.272" (32.3mm)	2.406" (61.1mm)	3.094" (78.6mm)	24.4	20.6	16.0	11.5	35.0	7.0	13.0
10.0	1.748" (44.4mm)	2.406" (61.1mm)	3.094" (78.6mm)	30.0	25.4	19.7	14.0	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 0.032" (0.8mm) THICK COPPER LUGS.

DIMENSIONS: AS SPECIFIED IN TABLE.

ELECTRICAL CHARACTERISTICS

CAPACITANCE: AS SPECIFIED IN TABLE \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 100,000 M Ω x μ 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/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 \pm 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 X335L 5.0 μ F, \pm 10%, 400VDC CAPACITOR, REQUEST PART NUMBER "X335L 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