



200VDC			
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG
1.0	0.422" (10.7mm)	1.574" (40.0mm)	20
2.0	0.538" (13.7mm)	1.574" (40.0mm)	20
3.0	0.630" (16.0mm)	1.574" (40.0mm)	20
4.0	0.712" (18.1mm)	1.574" (40.0mm)	20
5.0	0.783" (19.9mm)	1.574" (40.0mm)	20
6.0	0.850" (21.6mm)	1.574" (40.0mm)	20
7.0	0.910" (23.1mm)	1.574" (40.0mm)	20
8.0	0.967" (24.6mm)	1.574" (40.0mm)	20
9.0	1.021" (25.9mm)	1.574" (40.0mm)	20
10.0	1.071" (27.2mm)	1.574" (40.0mm)	20
11.0	1.120" (28.4mm)	1.574" (40.0mm)	20
12.0	1.166" (29.6mm)	1.574" (40.0mm)	20
13.0	1.211" (30.8mm)	1.574" (40.0mm)	20

200VDC			
CAP ( $\mu$ F)	D MAX	L MAX	LEAD AWG
14.0	1.254" (31.9mm)	1.574" (40.0mm)	20
15.0	1.296" (32.9mm)	1.574" (40.0mm)	20
16.0	1.335" (33.9mm)	1.574" (40.0mm)	20
17.0	1.374" (34.9mm)	1.574" (40.0mm)	20
18.0	1.412" (35.9mm)	1.574" (40.0mm)	20
19.0	1.450" (36.8mm)	1.574" (40.0mm)	20
20.0	1.485" (37.7mm)	1.574" (40.0mm)	20
25.0	1.495" (38.0mm)	1.870" (47.5mm)	20
30.0	1.630" (41.4mm)	1.870" (47.5mm)	20
35.0	1.756" (44.6mm)	1.870" (47.5mm)	20
40.0	1.873" (47.6mm)	1.870" (47.5mm)	20
45.0	1.983" (50.4mm)	1.870" (47.5mm)	20
50.0	2.086" (53.0mm)	1.870" (47.5mm)	20

## GENERAL SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

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

**CASE:** SELF-ENCASED WITH POLYPROPYLENE OR POLYESTER MATERIAL.

**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  $120 \pm 20$  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 0.1% WHEN MEASURED AT OR REFERRED TO  $120 \pm 20$  HZ AND  $25 \pm 5$  °C.

**INSULATION RESISTANCE:** SHALL BE GREATER THAN  $10,000 \text{ M}\Omega \times \mu\text{F}$  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:** 200VDC.

**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 X300 10.0 $\mu\text{F}$ ,  $\pm 10\%$ , 200VDC CAPACITOR, REQUEST PART NUMBER "X300 10-10-200")

**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.

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