



250VAC/275VAC					
CAP (μF)	T ± 0.039 (±1.0MM)	H ± 0.039 (±1.0MM)	L ± 0.039 (±1.0MM)	LS ± 0.059" (± 1.5mm)	LEAD AWG
0.01	0.177" (4.5mm)	0.413" (10.5mm)	0.472" (12.0mm)	0.394" (10.0mm)	22
0.012	0.177" (4.5mm)	0.413" (10.5mm)	0.472" (12.0mm)	0.394" (10.0mm)	22
0.015	0.177" (4.5mm)	0.413" (10.5mm)	0.472" (12.0mm)	0.394" (10.0mm)	22
0.018	0.177" (4.5mm)	0.413" (10.5mm)	0.472" (12.0mm)	0.394" (10.0mm)	22
0.022	0.177" (4.5mm)	0.413" (10.5mm)	0.472" (12.0mm)	0.394" (10.0mm)	22
0.027	0.217" (5.5mm)	0.453" (11.5mm)	0.472" (12.0mm)	0.394" (10.0mm)	22
0.033	0.217" (5.5mm)	0.453" (11.5mm)	0.472" (12.0mm)	0.394" (10.0mm)	22
0.039	0.197" (5.0mm)	0.413" (10.5mm)	0.669" (17.0mm)	0.591" (15.0mm)	22
0.047	0.197" (5.0mm)	0.433" (11.0mm)	0.669" (17.0mm)	0.591" (15.0mm)	22
0.056	0.197" (5.0mm)	0.433" (11.0mm)	0.669" (17.0mm)	0.591" (15.0mm)	22
0.068	0.197" (5.0mm)	0.433" (11.0mm)	0.669" (17.0mm)	0.591" (15.0mm)	22
0.082	0.236" (6.0mm)	0.472" (12.0mm)	0.669" (17.0mm)	0.591" (15.0mm)	22
0.10	0.236" (6.0mm)	0.472" (12.0mm)	0.669" (17.0mm)	0.591" (15.0mm)	22
0.12	0.315" (8.0mm)	0.591" (15.0mm)	0.669" (17.0mm)	0.591" (15.0mm)	22
0.15	0.315" (8.0mm)	0.591" (15.0mm)	0.669" (17.0mm)	0.591" (15.0mm)	22

250VAC/275VAC					
CAP (μF)	T ± 0.039 (±1.0MM)	H ± 0.039 (±1.0MM)	L ± 0.039 (±1.0MM)	LS ± 0.059" (± 1.5mm)	LEAD AWG
0.18	0.354" (9.0mm)	0.630" (16.0mm)	0.669" (17.0mm)	0.591" (15.0mm)	22
0.22	0.354" (9.0mm)	0.630" (16.0mm)	0.669" (17.0mm)	0.591" (15.0mm)	22
0.27	0.315" (8.0mm)	0.689" (17.5mm)	1.004" (25.5mm)	0.886" (22.5mm)	20
0.33	0.315" (8.0mm)	0.689" (17.5mm)	1.004" (25.5mm)	0.886" (22.5mm)	20
0.39	0.374" (9.5mm)	0.748" (19.0mm)	1.004" (25.5mm)	0.886" (22.5mm)	20
0.47	0.374" (9.5mm)	0.748" (19.0mm)	1.004" (25.5mm)	0.886" (22.5mm)	20
0.56	0.394" (10.0mm)	0.748" (19.0mm)	1.200" (30.5mm)	1.083" (27.5mm)	20
0.68	0.394" (10.0mm)	0.748" (19.0mm)	1.200" (30.5mm)	1.083" (27.5mm)	20
0.82	0.492" (12.5mm)	0.807" (20.5mm)	1.200" (30.5mm)	1.083" (27.5mm)	20
1.0	0.492" (12.5mm)	0.807" (20.5mm)	1.200" (30.5mm)	1.083" (27.5mm)	20
1.2	0.571" (14.5mm)	0.945" (24.0mm)	1.200" (30.5mm)	1.083" (27.5mm)	20
1.5	0.571" (14.5mm)	0.945" (24.0mm)	1.200" (30.5mm)	1.083" (27.5mm)	20
1.8	0.670" (17.0mm)	1.142" (29.0mm)	1.200" (30.5mm)	1.083" (27.5mm)	20
2.2	0.670" (17.0mm)	1.142" (29.0mm)	1.200" (30.5mm)	1.083" (27.5mm)	20

## GENERAL SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

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

**CASE:** FLAME RETARDANT PREFORMED CASE WITH EPOXY FILL.

**LEAD MATERIAL:** 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:**  $\pm$ 10% AND  $\pm$ 20% AVAILABLE.

**DISSIPATION FACTOR:** SHALL NOT BE GREATER THAN 0.2% WHEN MEASURED AT OR REFERRED TO 1000  $\pm$  20 HZ AND 25  $\pm$  5 °C.

**INSULATION RESISTANCE:** SHALL BE GREATER THAN 15,000 M $\Omega$  FOR CAPACITANCE VALUES 0.33  $\mu$ F AND LESS OR 5,000 M $\Omega$  FOR CAPACITANCE VALUES GREATER THAN 0.33  $\mu$ F WHEN MEASURED AFTER 1 MINUTE ELECTRIFICATION AT 100VDC AND 25  $\pm$  5 °C.

**DIELECTRIC STRENGTH:** 1550VDC FOR 2 SECONDS.

**RATED VOLTAGE:** 250VAC FOR UL AND CSA. 275VAC FOR OTHER AGENCIES

**TEMPERATURE:** -40 °C TO +85 °C AT FULL RATED VOLTAGE.

### ADDITIONAL INFORMATION

**ORDERING INFORMATION:** ALL ASC CAPACITORS ARE ORDERED BY "FAMILY CAP-TOL-VOLT" DESIGNATION. (I.E. TO ORDER AN MPWC 0.1 $\mu$ F,  $\pm$ 10%, 250VAC CAPACITOR, REQUEST PART NUMBER "MPWC .1-10-250")

#### AGENCY APPROVALS:

RECOGNIZED BY THE FOLLOWING AGENCIES:

UL FILE E231060  
CSA FILE NUMBER LR62199  
DEMKO FILE NUMBER 309895-01  
SEMKO FILE NUMBER 001707901  
FIMKO FILE NUMBER F115311  
NEMKO FILE NUMBER P00101159  
SEV FILE NUMBER 00.1264

**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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