

50VDC				
CAP (μ F)	D MAX	L MAX	LEAD AWG	I _{PEAK} (A)
0.0010	0.188" (4.8mm)	0.532" (13.5mm)	24	0.02
0.0012	0.188" (4.8mm)	0.532" (13.5mm)	24	0.02
0.0015	0.188" (4.8mm)	0.532" (13.5mm)	24	0.03
0.0018	0.188" (4.8mm)	0.532" (13.5mm)	24	0.03
0.0022	0.188" (4.8mm)	0.532" (13.5mm)	24	0.04
0.0027	0.188" (4.8mm)	0.532" (13.5mm)	24	0.05
0.0033	0.188" (4.8mm)	0.532" (13.5mm)	24	0.06
0.0039	0.188" (4.8mm)	0.532" (13.5mm)	24	0.07
0.0047	0.188" (4.8mm)	0.532" (13.5mm)	24	0.08
0.0056	0.188" (4.8mm)	0.532" (13.5mm)	24	0.10
0.0068	0.188" (4.8mm)	0.532" (13.5mm)	24	0.12
0.0082	0.188" (4.8mm)	0.532" (13.5mm)	24	0.15
0.010	0.188" (4.8mm)	0.532" (13.5mm)	24	0.18
0.012	0.188" (4.8mm)	0.532" (13.5mm)	24	0.22
0.015	0.188" (4.8mm)	0.532" (13.5mm)	24	0.27
0.018	0.188" (4.8mm)	0.532" (13.5mm)	24	0.32
0.022	0.188" (4.8mm)	0.532" (13.5mm)	24	0.40
0.027	0.188" (4.8mm)	0.532" (13.5mm)	24	0.49
0.033	0.188" (4.8mm)	0.532" (13.5mm)	24	0.59
0.039	0.188" (4.8mm)	0.532" (13.5mm)	24	0.70
0.047	0.188" (4.8mm)	0.532" (13.5mm)	24	0.85
0.056	0.188" (4.8mm)	0.532" (13.5mm)	24	1.01
0.068	0.204" (5.2mm)	0.532" (13.5mm)	24	1.22

50VDC				
CAP (μ F)	D MAX	L MAX	LEAD AWG	I _{PEAK} (A)
0.082	0.220" (5.6mm)	0.532" (13.5mm)	24	1.48
0.10	0.235" (6.0mm)	0.532" (13.5mm)	24	1.80
0.12	0.251" (6.4mm)	0.532" (13.5mm)	24	2.16
0.15	0.251" (6.4mm)	0.532" (13.5mm)	24	2.70
0.18	0.266" (6.8mm)	0.532" (13.5mm)	24	3.24
0.22	0.235" (6.0mm)	0.657" (16.7mm)	24	1.65
0.27	0.235" (6.0mm)	0.657" (16.7mm)	24	2.03
0.33	0.251" (6.4mm)	0.657" (16.7mm)	24	2.48
0.39	0.266" (6.8mm)	0.657" (16.7mm)	24	2.93
0.47	0.282" (7.2mm)	0.657" (16.7mm)	24	3.53
0.56	0.313" (8.0mm)	0.657" (16.7mm)	24	4.20
0.68	0.313" (8.0mm)	0.782" (19.9mm)	22	3.40
0.82	0.328" (8.3mm)	0.782" (19.9mm)	22	4.10
1.00	0.359" (9.1mm)	0.782" (19.9mm)	22	5.00
1.25	0.375" (9.5mm)	0.782" (19.9mm)	22	6.25
1.50	0.422" (10.7mm)	0.782" (19.9mm)	22	7.50
1.80	0.391" (9.9mm)	0.907" (23.0mm)	22	6.30
2.00	0.391" (9.9mm)	0.907" (23.0mm)	22	7.00
3.00	0.469" (11.9mm)	0.907" (23.0mm)	22	10.50
4.00	0.547" (13.9mm)	0.907" (23.0mm)	22	14.00
5.00	0.563" (14.3mm)	1.094" (27.8mm)	20	15.00
8.00	0.594" (15.1mm)	1.344" (34.1mm)	20	16.00
10.0	0.641" (16.3mm)	1.344" (34.1mm)	20	20.00

LIMITED AVAILABILITY!! - SEE AVAILABILITY NOTE ON PAGE 5

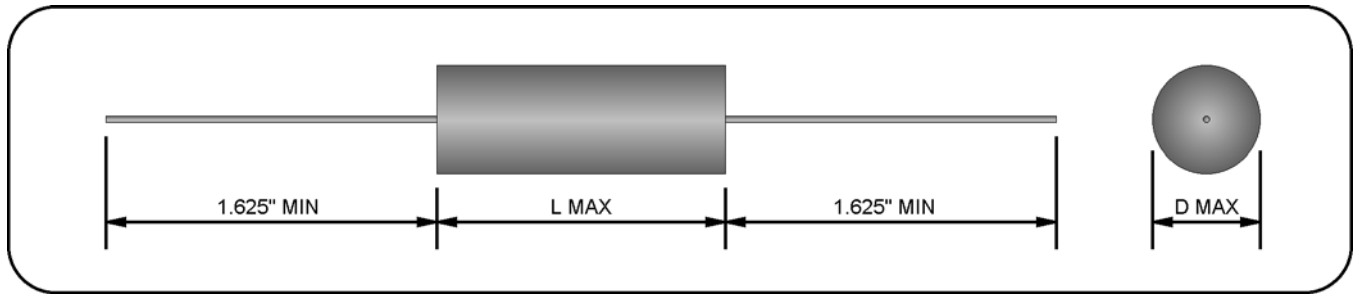
301 WEST O STREET • OGALLALA, NE 69153

Phone: (308) 284-3611

Fax: (308) 284-8324

e-mail: sales@ascapacitor.com

web: www.ascapacitor.com



100VDC				
CAP (μ F)	D MAX	L MAX	LEAD AWG	I _{PEAK} (A)
0.0010	0.188" (4.8mm)	0.532" (13.5mm)	24	0.03
0.0012	0.188" (4.8mm)	0.532" (13.5mm)	24	0.04
0.0015	0.188" (4.8mm)	0.532" (13.5mm)	24	0.05
0.0018	0.188" (4.8mm)	0.532" (13.5mm)	24	0.06
0.0022	0.188" (4.8mm)	0.532" (13.5mm)	24	0.07
0.0027	0.188" (4.8mm)	0.532" (13.5mm)	24	0.09
0.0033	0.188" (4.8mm)	0.532" (13.5mm)	24	0.11
0.0039	0.188" (4.8mm)	0.532" (13.5mm)	24	0.12
0.0047	0.188" (4.8mm)	0.532" (13.5mm)	24	0.15
0.0056	0.188" (4.8mm)	0.532" (13.5mm)	24	0.18
0.0068	0.188" (4.8mm)	0.532" (13.5mm)	24	0.22
0.0082	0.188" (4.8mm)	0.532" (13.5mm)	24	0.26
0.010	0.188" (4.8mm)	0.532" (13.5mm)	24	0.32
0.012	0.188" (4.8mm)	0.532" (13.5mm)	24	0.38
0.015	0.188" (4.8mm)	0.532" (13.5mm)	24	0.48
0.018	0.188" (4.8mm)	0.532" (13.5mm)	24	0.58
0.022	0.188" (4.8mm)	0.532" (13.5mm)	24	0.70
0.027	0.188" (4.8mm)	0.532" (13.5mm)	24	0.86
0.033	0.204" (5.2mm)	0.532" (13.5mm)	24	1.1
0.039	0.220" (5.6mm)	0.532" (13.5mm)	24	1.2
0.047	0.235" (6.0mm)	0.532" (13.5mm)	24	1.5
0.056	0.251" (6.4mm)	0.532" (13.5mm)	24	1.8
0.068	0.266" (6.8mm)	0.532" (13.5mm)	24	2.2

100VDC				
CAP (μ F)	D MAX	L MAX	LEAD AWG	I _{PEAK} (A)
0.082	0.219" (5.6mm)	0.657" (16.7mm)	24	1.1
0.10	0.235" (6.0mm)	0.657" (16.7mm)	24	1.4
0.12	0.251" (6.4mm)	0.657" (16.7mm)	24	1.7
0.15	0.266" (6.8mm)	0.657" (16.7mm)	24	2.1
0.18	0.282" (7.2mm)	0.657" (16.7mm)	24	2.5
0.22	0.313" (8.0mm)	0.657" (16.7mm)	24	3.1
0.27	0.328" (8.3mm)	0.782" (19.9mm)	22	2.3
0.33	0.359" (9.1mm)	0.782" (19.9mm)	22	2.8
0.39	0.375" (9.5mm)	0.782" (19.9mm)	22	3.3
0.47	0.422" (10.7mm)	0.782" (19.9mm)	22	4.0
0.56	0.438" (11.1mm)	0.782" (19.9mm)	22	4.8
0.68	0.391" (9.9mm)	0.907" (23.0mm)	22	4.4
0.82	0.422" (10.7mm)	0.907" (23.0mm)	22	5.3
1.00	0.454" (11.5mm)	0.907" (23.0mm)	22	6.5
1.25	0.485" (12.3mm)	0.907" (23.0mm)	22	8.1
1.50	0.547" (13.9mm)	0.907" (23.0mm)	22	9.8
1.80	0.547" (13.9mm)	1.094" (27.8mm)	20	9.0
2.00	0.594" (15.1mm)	1.094" (27.8mm)	20	10.0
3.00	0.641" (16.3mm)	1.344" (34.1mm)	20	10.5
4.00	0.750" (19.1mm)	1.344" (34.1mm)	20	14.0
5.00	0.718" (18.2mm)	1.594" (40.5mm)	20	12.5
8.00	0.766" (19.5mm)	1.907" (48.4mm)	18	16.0
10.0	0.859" (21.8mm)	1.907" (48.4mm)	18	20.0

LIMITED AVAILABILITY!! - SEE AVAILABILITY NOTE ON PAGE 5

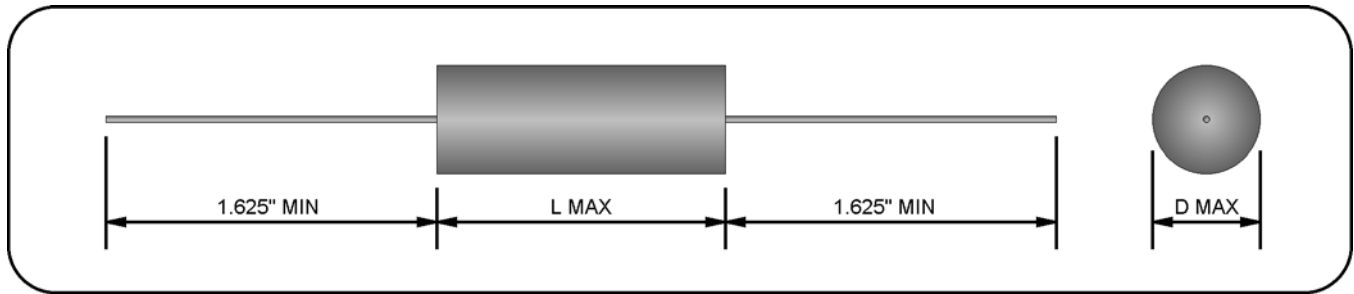
301 WEST O STREET • OGALLALA, NE 69153

Phone: (308) 284-3611

Fax: (308) 284-8324

e-mail: sales@ascapacitor.com

web: www.ascapacitor.com



200VDC				
CAP (μ F)	D MAX	L MAX	LEAD AWG	I _{PEAK} (A)
0.0010	0.188" (4.8mm)	0.532" (13.5mm)	24	0.06
0.0012	0.188" (4.8mm)	0.532" (13.5mm)	24	0.07
0.0015	0.188" (4.8mm)	0.532" (13.5mm)	24	0.08
0.0018	0.188" (4.8mm)	0.532" (13.5mm)	24	0.10
0.0022	0.188" (4.8mm)	0.532" (13.5mm)	24	0.12
0.0027	0.188" (4.8mm)	0.532" (13.5mm)	24	0.15
0.0033	0.188" (4.8mm)	0.532" (13.5mm)	24	0.18
0.0039	0.188" (4.8mm)	0.532" (13.5mm)	24	0.21
0.0047	0.188" (4.8mm)	0.532" (13.5mm)	24	0.26
0.0056	0.188" (4.8mm)	0.532" (13.5mm)	24	0.31
0.0068	0.188" (4.8mm)	0.532" (13.5mm)	24	0.37
0.0082	0.188" (4.8mm)	0.532" (13.5mm)	24	0.45
0.010	0.204" (5.2mm)	0.532" (13.5mm)	24	0.55
0.012	0.220" (5.6mm)	0.532" (13.5mm)	24	0.66
0.015	0.235" (6.0mm)	0.532" (13.5mm)	24	0.83
0.018	0.251" (6.4mm)	0.532" (13.5mm)	24	1.0
0.022	0.266" (6.8mm)	0.532" (13.5mm)	24	1.2
0.027	0.282" (7.2mm)	0.532" (13.5mm)	24	1.5
0.033	0.313" (8.0mm)	0.532" (13.5mm)	24	1.8
0.039	0.251" (6.4mm)	0.657" (16.7mm)	24	0.90
0.047	0.266" (6.8mm)	0.657" (16.7mm)	24	1.1
0.056	0.282" (7.2mm)	0.657" (16.7mm)	24	1.3
0.068	0.313" (8.0mm)	0.657" (16.7mm)	24	1.6

200VDC				
CAP (μ F)	D MAX	L MAX	LEAD AWG	I _{PEAK} (A)
0.082	0.344" (8.7mm)	0.657" (16.7mm)	24	1.9
0.10	0.282" (7.2mm)	0.782" (19.9mm)	22	1.5
0.12	0.313" (8.0mm)	0.782" (19.9mm)	22	1.8
0.15	0.344" (8.7mm)	0.782" (19.9mm)	22	2.3
0.18	0.375" (9.5mm)	0.782" (19.9mm)	22	2.7
0.22	0.391" (9.9mm)	0.782" (19.9mm)	22	3.3
0.27	0.391" (9.9mm)	0.907" (23.0mm)	22	3.0
0.33	0.422" (10.7mm)	0.907" (23.0mm)	22	3.6
0.39	0.454" (11.5mm)	0.907" (23.0mm)	22	4.3
0.47	0.484" (12.3mm)	0.907" (23.0mm)	22	5.2
0.56	0.484" (12.3mm)	1.094" (27.8mm)	20	4.8
0.68	0.547" (13.9mm)	1.094" (27.8mm)	20	5.8
0.82	0.578" (14.7mm)	1.094" (27.8mm)	20	7.0
1.00	0.625" (15.9mm)	1.094" (27.8mm)	20	8.5
1.25	0.594" (15.1mm)	1.344" (34.1mm)	20	7.5
1.50	0.641" (16.3mm)	1.344" (34.1mm)	20	9.0
1.80	0.719" (18.3mm)	1.344" (34.1mm)	20	10.8
2.00	0.750" (19.1mm)	1.344" (34.1mm)	20	12.0
3.00	0.812" (20.6mm)	1.594" (40.5mm)	20	13.5
4.00	0.906" (23.0mm)	1.594" (40.5mm)	20	18.0
5.00	0.906" (23.0mm)	1.907" (48.4mm)	18	20.0
8.00	1.016" (25.8mm)	2.407" (61.1mm)	18	24.0
10.0	1.110" (28.2mm)	2.407" (61.1mm)	18	30.0

LIMITED AVAILABILITY!! - SEE AVAILABILITY NOTE ON PAGE 5

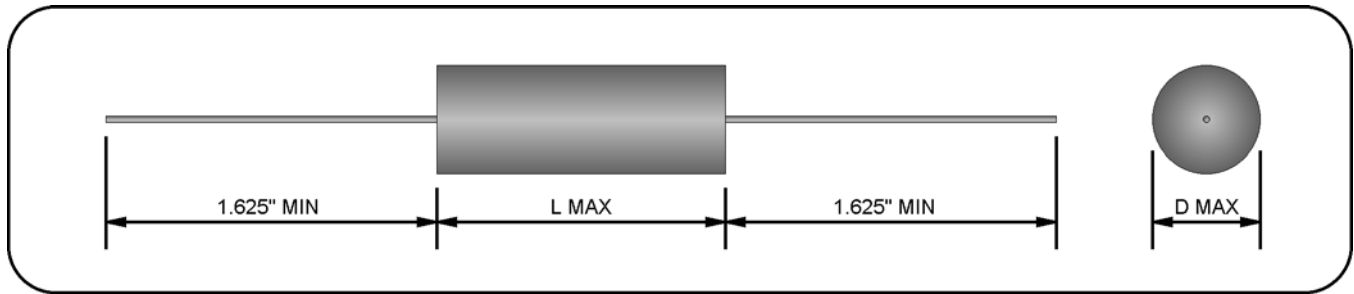
301 WEST O STREET • OGALLALA, NE 69153

Phone: (308) 284-3611

Fax: (308) 284-8324

e-mail: sales@ascapacitor.com

web: www.ascapacitor.com



400VDC				
CAP (μ F)	D MAX	L MAX	LEAD AWG	I _{PEAK} (A)
0.0010	0.188" (4.8mm)	0.532" (13.5mm)	24	0.11
0.0012	0.188" (4.8mm)	0.532" (13.5mm)	24	0.13
0.0015	0.188" (4.8mm)	0.532" (13.5mm)	24	0.16
0.0018	0.188" (4.8mm)	0.532" (13.5mm)	24	0.20
0.0022	0.188" (4.8mm)	0.532" (13.5mm)	24	0.24
0.0027	0.188" (4.8mm)	0.532" (13.5mm)	24	0.29
0.0033	0.220" (5.6mm)	0.532" (13.5mm)	24	0.36
0.0039	0.220" (5.6mm)	0.532" (13.5mm)	24	0.43
0.0047	0.235" (6.0mm)	0.532" (13.5mm)	24	0.51
0.0056	0.251" (6.4mm)	0.532" (13.5mm)	24	0.61
0.0068	0.251" (6.4mm)	0.532" (13.5mm)	24	0.74
0.0082	0.235" (6.0mm)	0.657" (16.7mm)	24	0.38
0.010	0.251" (6.4mm)	0.657" (16.7mm)	24	0.46
0.012	0.266" (6.8mm)	0.657" (16.7mm)	24	0.55
0.015	0.282" (7.2mm)	0.657" (16.7mm)	24	0.69
0.018	0.313" (8.0mm)	0.657" (16.7mm)	24	0.83
0.022	0.344" (8.7mm)	0.657" (16.7mm)	24	1.0
0.027	0.282" (7.2mm)	0.782" (19.9mm)	22	0.81
0.033	0.344" (8.7mm)	0.782" (19.9mm)	22	0.99
0.039	0.359" (9.1mm)	0.782" (19.9mm)	22	1.2
0.047	0.375" (9.5mm)	0.782" (19.9mm)	22	1.4

400VDC				
CAP (μ F)	D MAX	L MAX	LEAD AWG	I _{PEAK} (A)
0.056	0.422" (10.7mm)	0.782" (19.9mm)	22	1.7
0.068	0.375" (9.5mm)	0.907" (23.0mm)	22	1.5
0.082	0.422" (10.7mm)	0.907" (23.0mm)	22	1.8
0.10	0.454" (11.5mm)	0.907" (23.0mm)	22	2.2
0.12	0.501" (12.7mm)	0.907" (23.0mm)	22	2.6
0.15	0.501" (12.7mm)	1.094" (27.8mm)	20	2.6
0.18	0.563" (14.3mm)	1.094" (27.8mm)	20	3.1
0.22	0.610" (15.5mm)	1.094" (27.8mm)	20	3.7
0.27	0.687" (17.4mm)	1.094" (27.8mm)	20	4.6
0.33	0.641" (16.3mm)	1.344" (34.1mm)	20	4.0
0.39	0.719" (18.3mm)	1.344" (34.1mm)	20	4.7
0.47	0.766" (19.5mm)	1.344" (34.1mm)	20	5.6
0.56	0.750" (19.1mm)	1.594" (40.5mm)	20	5.3
0.68	0.828" (21.0mm)	1.594" (40.5mm)	20	6.5
0.82	0.906" (23.0mm)	1.594" (40.5mm)	20	7.8
1.00	0.874" (22.2mm)	1.907" (48.4mm)	18	7.5
1.25	1.000" (25.4mm)	1.907" (48.4mm)	18	9.4
1.50	1.094" (27.8mm)	1.907" (48.4mm)	18	11.3
1.80	1.172" (29.8mm)	1.907" (48.4mm)	18	13.5
2.00	1.063" (27.0mm)	2.407" (61.1mm)	18	11.0
3.00	1.250" (31.8mm)	2.407" (61.1mm)	18	16.5

LIMITED AVAILABILITY!! - SEE AVAILABILITY NOTE ON PAGE 5

301 WEST O STREET • OGALLALA, NE 69153

Phone: (308) 284-3611

Fax: (308) 284-8324

e-mail: sales@ascapacitor.com

web: www.ascapacitor.com

GENERAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

CONSTRUCTION: NON-INDUCTIVE WOUND METALLIZED POLYPHENYLENE SULFIDE.

CASE: FLAME RETARDANT TAPE WRAP CASE AND EPOXY FILL.

LEAD MATERIAL: AXIAL 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 1%, \pm 2%, \pm 5%, \pm 10%, AND \pm 20% AVAILABLE. OTHER TOLERANCES AVAILABLE UPON REQUEST.

DISSIPATION FACTOR: SHALL NOT BE GREATER THAN 0.3% WHEN MEASURED AT OR REFERRED TO 1000 \pm 20 HZ AND 25 \pm 5 °C.

INSULATION RESISTANCE: SHALL BE GREATER THAN 50,000 M Ω FOR CAPACITANCE VALUES 0.50 μ F AND LESS OR 25,000 M Ω X μ F FOR CAPACITANCE VALUES GREATER THAN 0.50 μ F WHEN MEASURED AFTER 2 MINUTES ELECTRIFICATION AT RATED VOLTAGE AND 25 \pm 5 °C.

DIELECTRIC STRENGTH: 150% RATED VOLTAGE FOR 1 MINUTE THROUGH A LIMITING RESISTANCE OF 100 OHMS/VOLT AT 25 \pm 5 °C.

RATED VOLTAGE: 50VDC, 100VDC, 200VDC, AND 400VDC AVAILABLE.

TEMPERATURE: -55 °C TO +125 °C AT FULL RATED VOLTAGE OPERATIONAL TEMPERATURE, +125 °C MAX STORAGE TEMPERATURE.

ADDITIONAL INFORMATION

ORDERING INFORMATION: ALL ASC CAPACITORS ARE ORDERED BY "FAMILY CAP-TOL-VOLT" DESIGNATION. (I.E. TO ORDER A REA99 0.01 μ F, \pm 5%, 400VDC CAPACITOR, REQUEST PART NUMBER "REA99 .01-5-400")

WARNING: INFORMATION ON THIS FILE IS SUBJECT TO CHANGE WITHOUT NOTICE AT ASC'S DISCRETION.

AVAILABILITY: POLYPHENYLENE SULFIDE DIELECTRIC IS NOT STOCKED IN LARGE QUANTITIES AT ASC OR OUR SUPPLIERS AND AVAILABILITY CHANGES FROM TIME TO TIME. MINIMUM ORDERS MAY ALSO BE REQUIRED FOR CERTAIN VALUES. PLEASE CONTACT FACTORY FOR MORE INFORMATION.

LAST MODIFIED: 11/12/07