

# VISHAY/SPRAGUE Screw Terminal Aluminum Capacitors

## VISHAY/SPRAGUE 36DY 85°C SCREW TERMINAL HIGH CAPACITANCE SERIES

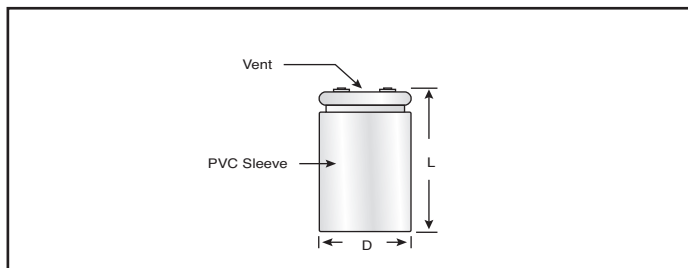
RoHS Compliant This product is RoHS compliant.

### Features:

- The industry standard for large can aluminum capacitors
- Ideal for high wattage power supplies and energy storage applications
- Capacitance values to 2.2F
- Largest CV available
- Highest voltage available

### Performance Characteristics:

- Operating temperature: -40°C to +85°C
- Capacitance tolerance: -10%, +50%
- Life validation test: 2000 hours @ +85°C
- Δ CAP ≤ 15% from initial measurement
- Δ ESR ≤ 1.5 x initial specified limit
- Δ DCL ≤ initial specified limit



Vishay Aluminum Caps, Can

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Case D x L (in.)	Price Each			
Mfr.	Mfr. Part Number			1	10	25	50
<b>25 Volt</b>							
75	36DY123F025AA2A	12000	1.375 x 2.125	31.55	28.68	28.04	25.24
75	36DY563F025BL2A	56000	2.000 x 3.625	39.46	37.88	35.73	33.82
75	36DY104F025BF2A	100000	2.000 x 5.625	49.18	47.21	44.54	42.15
<b>40 Volt</b>							
75	36DY712F040AA2A	7100	1.375 x 2.125	25.00	24.00	22.64	21.43
75	36DY333F040BL2A	33000	2.000 x 3.625	47.26	42.96	42.00	37.80
75	36DY403F040BC2A	40000	2.000 x 4.125	55.79	50.72	49.59	44.63
75	36DY823F040CD2A	82000	2.500 x 4.625	61.61	59.16	55.79	52.81
<b>50 Volt</b>							
75	36DY562F050AA2A	5600	1.375 x 2.125	24.95	23.95	22.59	21.38
75	36DY103F050AB2A	10000	1.375 x 3.125	38.08	34.62	33.85	30.47
75	36DY153F050BM2A	15000	2.000 x 2.625	44.59	40.53	39.63	35.67
75	36DY273F050BL2A	27000	2.000 x 3.625	42.62	40.91	38.60	36.53
75	36DY563F050CC2A	56000	2.500 x 4.125	74.51	67.74	66.23	59.61
75	36DY683F050DL2A	68000	3.000 x 3.625	87.58	79.61	77.84	70.06
<b>75 Volt</b>							
75	36DY183F075BC2A	18000	2.000 x 4.125	45.56	43.74	41.26	39.05
75	36DY223F075CB2A	22000	2.500 x 3.125	67.15	65.10	50.10	50.01
75	36DY333F075CC2A	33000	2.500 x 4.125	76.08	69.16	67.62	60.86
75	36DY393F075CD2A	39000	2.500 x 4.625	70.45	67.63	63.80	60.38
75	36DY473F075DC2A	47000	3.000 x 4.125	76.14	73.10	68.96	65.26
<b>100 Volt</b>							
75	36DY102F100AN2A	1000	1.375 x 1.625	24.22	23.25	21.93	20.76
75	36DY472F100AC2A	4700	1.375 x 4.125	38.00	36.48	34.42	32.57
75	36DY822F100BL2A	8200	2.000 x 3.625	51.64	47.51	46.47	41.31

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MOUSER STOCK NO.		Value (μF)	Case D x L (in.)	Price Each			
Mfr.	Mfr. Part Number			1	10	25	50
<b>100 Volt (cont.)</b>							
75	36DY103F100CB2A	10000	2.500 x 3.125	51.04	49.00	46.23	43.75
75	36DY223F100CF2A	22000	2.500 x 5.625	67.16	64.47	60.82	57.56
<b>150 Volt</b>							
75	36DY123F150DE2A	12000	3.000 x 5.125	106.91	97.19	95.03	85.53
<b>200 Volt</b>							
75	36DY561F200AA2A	5600	1.375 x 2.125	27.79	26.68	25.17	23.82
75	36DY562F200CD2A	56000	2.500 x 4.625	66.27	63.62	60.02	56.80
75	36DY123F200DF2A	12000	3.000 x 5.625	131.93	119.94	117.27	105.55
75	36DY183F200DJ2A	18000	3.000 x 8.625	176.13	172.30	168.47	153.16
<b>250 Volt</b>							
75	36DY152F250AC2A	1500	1.375 x 4.125	35.10	33.69	31.79	30.08
75	36DY222F250BC2A	2200	2.000 x 4.125	60.78	55.91	54.70	48.62
75	36DY472F250CD2A	4700	2.500 x 4.625	99.73	90.66	88.65	79.78
<b>350 Volt</b>							
75	36DY681F350BM2A	680	2.000 x 2.625	42.51	40.81	38.50	36.44
75	36DY472F350DE2A	4700	3.000 x 5.125	121.55	116.68	110.08	104.18
<b>400 Volt</b>							
75	36DY121F400AN2A	120	1.375 x 1.625	44.05	42.28	39.89	37.75
75	36DY392F400DE2A	3900	3.000 x 5.125	142.70	129.72	126.84	114.16
<b>450 Volt</b>							
75	36DY101F450AN2A	100	1.375 x 1.625	28.87	27.72	26.15	24.75
75	36DY102F450AC2A	1000	2.000 x 4.125	59.32	56.95	53.72	50.85
75	36DY152F450BF2A	1500	2.000 x 5.625	87.33	79.39	77.63	69.86
75	36DY182F450CC2A	1800	2.500 x 4.125	114.03	104.90	102.62	91.22
75	36DY332F450DD2A	3300	3.000 x 4.625	195.45	177.68	173.74	156.36

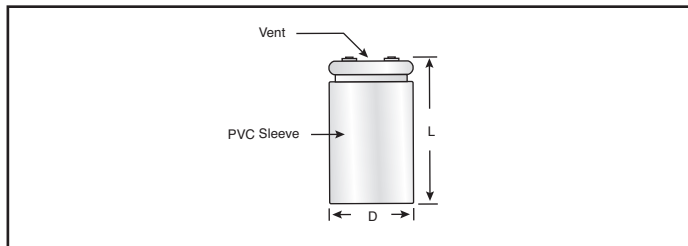
## VISHAY/SPRAGUE POWERLYTIC® 36DX 85°C SCREW TERMINAL, HIGH CAPACITANCE, HIGH RIPPLE SERIES

### Features:

- High capacitance per case size
- High ripple current
- Low leakage current
- Long shelf life and operating life

### Performance Characteristics:

- Operating temperature: -40°C to +85°C
- Capacitance tolerance: +75%, -10% (25WVDC to 100WVDC)
- +50%, -10% (200WVDC to 450WVDC)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Case D x L (in.)	Price Each			
Mfr.	Mfr. Part Number			1	10	25	50
<b>25 Volt</b>							
75	36DX452G025AA2A	4500	1.375 x 2.125	24.06	23.09	21.79	20.62
75	36DX203G025AF2A	20000	1.375 x 5.625	28.37	27.24	25.69	24.32
75	36DX303G025BC2A	30000	2.000 x 4.125	39.52	37.94	35.79	33.88
75	36DX503G025CC2A	50000	2.500 x 4.125	54.98	49.98	48.87	43.98
<b>40 Volt</b>							
75	36DX292G040AA2A	2900	1.375 x 2.125	25.01	24.01	22.65	21.44
75	36DX582G040AB2A	5800	1.375 x 3.125	33.04	30.40	29.74	26.43
75	36DX872G040AC2A	8700	1.375 x 4.125	33.78	30.71	30.03	27.03
75	36DX203G040BC2A	20000	2.000 x 4.125	37.23	35.74	33.72	31.91
75	36DX343G040CC2A	34000	2.500 x 4.125	58.43	53.12	51.94	46.74
75	36DX513G040CF2A	51000	2.500 x 5.625	70.04	63.67	62.26	56.03
75	36DX124G040DJ2A	120000	3.000 x 8.625	88.13	84.60	79.81	75.54
<b>50 Volt</b>							
75	36DX242G050AA2A	2400	1.375 x 2.125	27.57	26.46	24.96	23.63
75	36DX482G050AB2A	4800	1.375 x 3.125	33.52	30.47	29.79	26.81
75	36DX163G050BC2A	16000	2.000 x 4.125	37.83	36.32	34.26	32.43
75	36DX273G050CC2A	27000	2.500 x 4.125	52.17	50.09	47.25	44.72
75	36DX413G050DC2A	41000	3.000 x 4.125	59.36	56.98	53.76	50.88
<b>75 Volt</b>							
75	36DX282G075AB2A	2800	1.375 x 4.125	28.06	26.94	25.41	24.05
75	36DX422G075AC2A	4200	1.375 x 4.125	34.30	31.18	30.49	27.44
75	36DX103G075BC2A	10000	2.000 x 4.125	41.11	39.16	37.19	35.23
75	36DX173G075CC2A	17000	2.500 x 4.125	52.93	50.41	47.89	45.37

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Case D x L (in.)	Price Each			
Mfr.	Mfr. Part Number			1	10	25	50
<b>75 Volt (Cont.)</b>							
75	36DX403G075DF2A	40000	3.000 x 5.625	94.48	85.89	83.98	75.58
<b>100 Volt</b>							
75	36DX262G100AC2A	2600	1.375 x 4.125	22.59	20.08	18.07	16.07
75	36DX982G100CC2A	9800	2.500 x 4.125	51.24	48.80	46.35	43.92
<b>200 Volt</b>							
75	36DX202F200BC2A	2000	2.000 x 4.125	42.12	40.43	38.14	36.10
75	36DX282F200BC2A	2800	2.000 x 4.125	43.95	42.19	39.80	37.67
75	36DX342F200CC2A	3400	2.500 x 4.125	57.09	54.76	51.67	48.87
<b>250 Volt</b>							
75	36DX501F250AB2A	500	1.375 x 3.215	35.31	32.10	31.38	28.25
75	36DX292F250CC2A	2900	2.500 x 4.125	61.64	58.71	55.76	52.84
75	36DX103F250DJ2A	10000	3.000 x 8.625	155.89	143.42	140.30	124.71
<b>350 Volt</b>							
75	36DX381F350AC2A	380	1.375 x 4.125	37.50	34.09	33.33	30.00
75	36DX332F350DF2A	3300	3.000 x 5.625	99.91	95.92	90.49	85.64
75	36DX512F350DJ2A	5100	3.000 x 8.625	154.32	148.15	139.76	132.28
<b>450 Volt</b>							
75	36DX161F450AB2A	160	1.375 x 3.125	35.17	31.97	31.26	28.13
75	36DX231F450AC2A	230	1.375 x 4.125	44.72	42.94	40.50	38.33
75	36DX381F450BB2A	380	2.000 x 3.215	55.02	50.02	48.90	44.01
75	36DX202F450DF2A	2000	3.000 x 5.625	96.45	92.59	87.35	82.67