

# VISHAY / SPRAGUE Computer Grade Aluminum Capacitors



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

RoHS Compliant This product is RoHS compliant.

### Features:

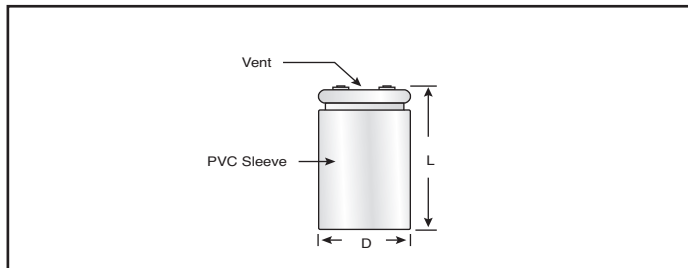
- The industry standard for large can aluminum capacitors
- Ideal for high wattage power supplies and energy storage applications
- Capacitance values to 2.2F
- Largest CV available
- Highest voltage available



RoHS Compliant

### Performance Characteristics:

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



For quantities of 100 and up, 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	10.36	9.99	9.06	8.32
75—36DY563F025BL2A		56000	2.000 x 3.625	20.02	19.30	17.50	16.07
75—36DY683F025BC2A		68000	2.000 x 4.125	22.52	21.71	19.69	18.08
75—36DY104F025BF2A		100000	2.000 x 5.625	30.73	29.63	26.87	24.67
<b>40 Volt</b>							
75—36DY712F040AA2A		7100	1.375 x 2.125	10.52	10.14	9.20	8.44
75—36DY333F040BL2A		33000	2.000 x 3.625	19.74	19.03	17.26	15.85
75—36DY403F040BC2A		40000	2.000 x 4.125	22.24	21.44	19.44	17.85
75—36DY823F040CD2A		82000	2.500 x 4.625	46.74	45.06	40.87	37.52
75—36DY104F040DC2A		100000	3.000 x 4.125	41.71	40.21	36.47	33.48
<b>50 Volt</b>							
75—36DY562F050AA2A		5600	1.375 x 2.125	10.32	9.95	9.03	8.29
75—36DY103F050AB2A		10000	1.375 x 3.125	12.44	11.99	10.88	9.98
75—36DY153F050BM2A		15000	2.000 x 2.625	17.25	16.63	15.08	13.84
75—36DY273F050BL2A		27000	2.000 x 3.625	21.28	20.52	18.61	17.08
75—36DY563F050CC2A		56000	2.500 x 4.125	34.68	33.43	30.32	27.84
75—36DY683F050DL2A		68000	3.000 x 3.625	39.71	38.28	34.72	31.87
<b>75 Volt</b>							
75—36DY183F075BC2A		18000	2.000 x 4.125	25.63	24.71	22.41	20.57
75—36DY223F075CB2A		22000	2.500 x 3.125	31.42	30.29	27.47	25.22
75—36DY333F075CC2A		33000	2.500 x 4.125	42.11	40.60	36.82	33.80
75—36DY393F075CD2A		39000	2.500 x 4.625	45.75	44.11	40.01	36.73
75—36DY473F075DC2A		47000	3.000 x 4.125	54.57	52.61	47.72	43.80
<b>100 Volt</b>							
75—36DY102F100AN2A		1000	1.375 x 1.625	10.11	9.74	8.84	8.11
75—36DY472F100AC2A		4700	1.375 x 4.125	15.16	14.62	13.26	12.17
75—36DY822F100BL2A		8200	2.000 x 3.625	22.13	21.33	19.35	17.76

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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	27.29	26.31	23.86	21.90
75—36DY223F100CF2A		22000	2.500 x 5.625	43.39	41.84	37.95	34.83
<b>150 Volt</b>							
75—36DY332F150BC2A		3300	2.000 x 4.125	22.14	21.35	19.36	17.77
75—36DY123F150DE2A		12000	3.000 x 5.125	53.37	51.45	46.67	42.84
<b>200 Volt</b>							
75—36DY561F200AA2A		560	1.375 x 2.125	12.72	12.26	11.12	10.21
75—36DY562F200CD2A		5600	2.500 x 4.625	39.07	37.66	34.16	31.36
75—36DY123F200DF2A		12000	3.000 x 5.625	68.31	65.86	59.73	54.83
75—36DY183F200DJ2A		18000	3.000 x 8.625	109.48	105.55	95.73	87.88
<b>250 Volt</b>							
75—36DY152F250AC2A		1500	1.375 x 4.125	19.41	18.71	16.97	15.58
75—36DY222F250BC2A		2200	2.000 x 4.125	26.80	25.84	23.43	21.51
75—36DY472F250CD2A		4700	2.500 x 4.625	47.36	45.67	41.42	38.02
75—36DY822F250DE2A		8200	3.000 x 5.125	68.40	65.95	59.81	54.91
<b>350 Volt</b>							
75—36DY681F350BM2A		680	2.000 x 2.625	22.14	21.34	19.36	17.77
75—36DY392F350DD2A		3900	3.000 x 4.625	71.46	68.89	62.49	57.36
75—36DY472F350DE2A		4700	3.000 x 5.125	82.72	79.75	72.33	66.40
<b>400 Volt</b>							
75—36DY121F400AN2A		120	1.375 x 1.625	11.28	10.87	9.86	9.05
75—36DY392F400DE2A		3900	3.000 x 5.125	81.21	78.30	71.01	65.19
<b>450 Volt</b>							
75—36DY101F450AN2A		100	1.375 x 1.625	12.42	11.98	10.86	9.97
75—36DY102F450BC2A		1000	2.000 x 4.125	34.90	33.65	30.52	28.02
75—36DY152F450BF2A		1500	2.000 x 5.625	44.79	43.18	39.16	35.95
75—36DY182F450CC2A		1800	2.500 x 4.125	54.94	52.97	48.04	44.10
75—36DY332F450DD2A		3300	3.000 x 4.625	88.65	85.47	77.52	71.16

Aluminum Caps, Can Vishay

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

### Features:

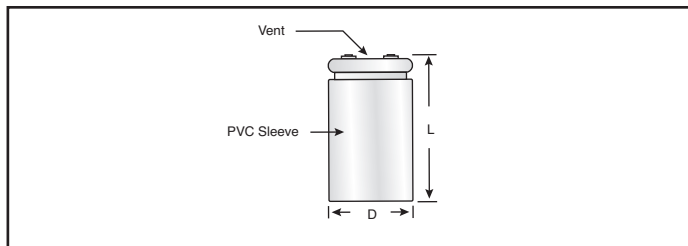
- High capacitance per case size
- High ripple current
- Low leakage current
- Long shelf life and operating life



RoHS Compliant

### Performance Characteristics:

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



For quantities of 100 and up, 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	10.10	9.73	8.83	8.10
75—36DX203G025AF2A		20000	1.375 x 5.625	11.76	11.34	10.29	9.44
75—36DX303G025BC2A		30000	2.000 x 4.125	15.15	14.61	13.25	12.16
75—36DX503G025CC2A		50000	2.500 x 4.125	22.78	21.97	19.92	18.29
<b>40 Volt</b>							
75—36DX292G040AA2A		2900	1.375 x 2.125	8.51	8.20	7.44	6.83
75—36DX582G040AB2A		5800	1.375 x 3.125	10.01	9.65	8.75	8.03
75—36DX872G040AC2A		8700	1.375 x 4.125	11.74	11.32	10.26	9.42
75—36DX203G040BC2A		20000	2.000 x 4.125	21.49	20.72	18.79	17.25
75—36DX343G040CC2A		34000	2.500 x 4.125	21.61	20.84	18.90	17.35
75—36DX513G040CF2A		51000	2.500 x 5.625	27.96	26.96	24.45	22.45
75—36DX124G040DJ2A		120000	3.000 x 8.625	66.20	63.83	57.89	53.14
<b>50 Volt</b>							
75—36DX242G050AA2A		2400	1.375 x 2.125	9.51	9.17	8.31	7.63
75—36DX482G050AB2A		4800	1.375 x 3.125	10.84	10.46	9.48	8.70
75—36DX722G050AC2A		7200	1.375 x 4.125	11.80	11.38	10.32	9.47
75—36DX163G050BC2A		16000	2.000 x 4.125	16.01	15.43	14.00	12.85
75—36DX273G050CC2A		27000	2.500 x 4.125	24.96	24.07	21.83	20.04
75—36DX413G050DC2A		41000	3.000 x 4.125	33.16	31.97	28.99	26.61
<b>75 Volt</b>							
75—36DX282G075AB2A		2800	1.375 x 4.125	10.66	10.28	9.32	8.56
75—36DX422G075AC2A		4200	1.375 x 4.125	12.74	12.29	11.14	10.23
75—36DX103G075BC2A		10000	2.000 x 4.125	22.63	21.81	19.79	18.16
75—36DX173G075CC2A		17000	2.500 x 4.125	26.21	25.27	22.92	21.04
75—36DX403G075DF2A		40000	3.000 x 5.625	47.13	45.44	41.21	37.83

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Value (μF)	Case D x L (in.)	Price Each			
Mfr.	Mfr. Part Number			1	10	25	50
<b>100 Volt</b>							
75—36DX262G100AC2A		2600	1.375 x 4.125	12.27	11.83	10.73	9.85
75—36DX982G100CC2A		9800	2.500 x 4.125	27.10	26.13	23.70	21.75
<b>200 Volt</b>							
75—36DX851F200AC2A		850	1.375 x 4.125	12.46	12.02	10.90	10.00
75—36DX202F200BC2A		2000	2.000 x 4.125	22.01	21.22	19.25	17.67
75—36DX282F200BC2A		2800	2.000 x 4.125	22.42	21.62	19.61	18.00
75—36DX342F200CC2A		3400	2.500 x 4.125	28.31	27.29	24.25	22.72
<b>250 Volt</b>							
75—36DX251F250AA2A		250	1.375 x 2.125	10.73	10.35	9.38	8.61
75—36DX501F250AB2A		500	1.375 x 3.215	12.51	12.06	10.94	10.04
75—36DX292F250CC2A		2900	2.500 x 4.125	33.76	32.55	29.52	27.10
75—36DX422F250CF2A		4200	2.500 x 5.625	42.93	41.39	37.54	34.46
75—36DX103F250DJ2A		10000	3.000 x 8.625	89.75	86.53	78.48	72.04
<b>350 Volt</b>							
75—36DX261F350AB2A		260	1.375 x 3.215	12.65	12.19	11.06	10.15
75—36DX381F350AC2A		380	1.375 x 4.125	15.45	14.90	13.51	12.40
75—36DX332F350DF2A		3300	3.000 x 5.625	67.20	64.79	58.76	53.94
75—36DX512F350DJ2A		5100	3.000 x 8.625	111.98	107.96	97.92	89.88
<b>450 Volt</b>							
75—36DX161F450AB2A		160	1.375 x 3.125	13.44	12.95	11.75	10.78
75—36DX231F450AC2A		230	1.375 x 4.125	15.12	14.57	13.22	12.13
75—36DX381F450BB2A		380	2.000 x 3.215	20.27	19.54	17.72	16.27
75—36DX202F450DF2A		2000	3.000 x 5.625	60.60	58.42	52.99	48.64