

VISHAY / SPRAGUE Computer Grade Aluminum Capacitors



RoHS Compliant This product is RoHS compliant.

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

Features:

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



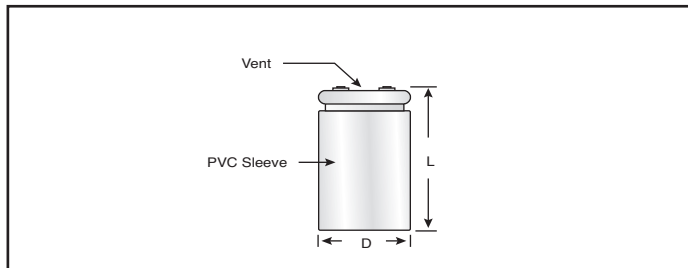
RoHS Compliant

Performance Characteristics:

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

For quantities of 100 and up, call for quote.

| MOUSER STOCK NO. | | Value (μF) | Case Dxl (In.) | Price Each | | | |
|--------------------|------------------|------------|----------------|------------|-------|-------|-------|
| Mfr. | Mfr. Part Number | | | 1 | 10 | 25 | 50 |
| 25 Volt | | | | | | | |
| 75—36DY123F025AA2A | | 12000 | 1.375 x 2.125 | 10.56 | 9.52 | 8.69 | 8.07 |
| 75—36DY563F025BL2A | | 56000 | 2.000 x 3.625 | 20.40 | 18.40 | 16.80 | 15.60 |
| 75—36DY683F025BC2A | | 68000 | 2.000 x 4.125 | 22.95 | 20.70 | 18.90 | 17.55 |
| 75—36DY104F025BF2A | | 100000 | 2.000 x 5.625 | 31.32 | 28.25 | 25.79 | 23.95 |
| 40 Volt | | | | | | | |
| 75—36DY712F040AA2A | | 7100 | 1.375 x 2.125 | 10.72 | 9.67 | 8.83 | 8.20 |
| 75—36DY333F040BL2A | | 33000 | 2.000 x 3.625 | 20.12 | 18.15 | 16.57 | 15.39 |
| 75—36DY403F040BC2A | | 40000 | 2.000 x 4.125 | 22.66 | 20.44 | 18.66 | 17.33 |
| 75—36DY823F040CD2A | | 82000 | 2.500 x 4.625 | 47.63 | 42.96 | 39.23 | 36.43 |
| 75—36DY104F040DC2A | | 100000 | 3.000 x 4.125 | 42.51 | 38.34 | 35.01 | 32.51 |
| 50 Volt | | | | | | | |
| 75—36DY562F050AA2A | | 5600 | 1.375 x 2.125 | 10.52 | 9.49 | 8.66 | 8.05 |
| 75—36DY103F050AB2A | | 10000 | 1.375 x 3.125 | 12.68 | 11.43 | 10.40 | 9.69 |
| 75—36DY153F050BM2A | | 15000 | 2.000 x 2.625 | 17.58 | 15.85 | 14.48 | 13.44 |
| 75—36DY273F050BL2A | | 27000 | 2.000 x 3.625 | 21.69 | 19.56 | 17.86 | 16.59 |
| 75—36DY563F050CC2A | | 56000 | 2.500 x 4.125 | 35.34 | 31.88 | 29.11 | 27.03 |
| 75—36DY683F050DL2A | | 68000 | 3.000 x 3.625 | 40.47 | 36.50 | 33.33 | 30.95 |
| 75 Volt | | | | | | | |
| 75—36DY183F075BC2A | | 18000 | 2.000 x 4.125 | 26.12 | 23.56 | 21.51 | 19.97 |
| 75—36DY223F075CB2A | | 22000 | 2.500 x 3.125 | 32.02 | 28.88 | 26.37 | 24.48 |
| 75—36DY333F075CC2A | | 33000 | 2.500 x 4.125 | 42.92 | 38.71 | 35.34 | 32.82 |
| 75—36DY393F075CD2A | | 39000 | 2.500 x 4.625 | 46.63 | 42.06 | 38.40 | 35.66 |
| 75—36DY473F075DC2A | | 47000 | 3.000 x 4.125 | 55.62 | 50.16 | 45.80 | 42.53 |
| 100 Volt | | | | | | | |
| 75—36DY102F100AN2A | | 1000 | 1.375 x 1.625 | 10.30 | 9.29 | 8.48 | 7.88 |
| 75—36DY472F100AC2A | | 4700 | 1.375 x 4.125 | 15.45 | 13.94 | 12.73 | 11.82 |
| 75—36DY822F100BL2A | | 8200 | 2.000 x 3.625 | 22.55 | 20.34 | 18.57 | 17.24 |



For quantities of 100 and up, call for quote.

| MOUSER STOCK NO. | | Value (μF) | Case Dxl (In.) | Price Each | | | |
|-------------------------|------------------|------------|----------------|------------|--------|-------|-------|
| Mfr. | Mfr. Part Number | | | 1 | 10 | 25 | 50 |
| 100 Volt (cont.) | | | | | | | |
| 75—36DY103F100CB2A | | 10000 | 2.500 x 3.125 | 27.81 | 25.08 | 22.90 | 21.27 |
| 75—36DY223F100CF2A | | 22000 | 2.500 x 5.625 | 44.22 | 39.89 | 36.42 | 33.82 |
| 150 Volt | | | | | | | |
| 75—36DY332F150BC2A | | 3300 | 2.000 x 4.125 | 22.57 | 20.36 | 18.59 | 17.26 |
| 75—36DY392F150AB2A | | 3900 | 2.000 x 4.625 | 25.52 | 23.01 | 21.01 | 19.51 |
| 75—36DY123F150DE2A | | 12000 | 3.000 x 5.125 | 54.39 | 49.06 | 44.79 | 41.59 |
| 200 Volt | | | | | | | |
| 75—36DY561F200AA2A | | 560 | 1.375 x 2.125 | 12.96 | 11.69 | 10.68 | 9.91 |
| 75—36DY562F200CD2A | | 5600 | 2.500 x 4.625 | 39.82 | 35.91 | 32.79 | 30.45 |
| 75—36DY123F200DF2A | | 12000 | 3.000 x 5.625 | 69.62 | 62.79 | 57.33 | 53.24 |
| 75—36DY183F200DJ2A | | 18000 | 3.000 x 8.625 | 111.58 | 100.64 | 91.89 | 85.32 |
| 250 Volt | | | | | | | |
| 75—36DY152F250AC2A | | 1500 | 1.375 x 4.125 | 19.78 | 17.84 | 16.29 | 15.13 |
| 75—36DY222F250BC2A | | 2200 | 2.000 x 4.125 | 30.60 | 27.46 | 24.91 | 23.28 |
| 75—36DY472F250CD2A | | 4700 | 2.500 x 4.625 | 48.27 | 43.54 | 39.75 | 36.91 |
| 75—36DY822F250DE2A | | 8200 | 3.000 x 5.125 | 69.71 | 62.88 | 57.41 | 53.31 |
| 350 Volt | | | | | | | |
| 75—36DY681F350BM2A | | 680 | 2.000 x 2.625 | 22.56 | 20.35 | 18.58 | 17.25 |
| 75—36DY392F350DD2A | | 3900 | 3.000 x 4.625 | 72.83 | 65.69 | 59.98 | 55.69 |
| 75—36DY472F350DE2A | | 4700 | 3.000 x 5.125 | 84.30 | 76.04 | 69.43 | 64.47 |
| 400 Volt | | | | | | | |
| 75—36DY121F400AN2A | | 120 | 1.375 x 1.625 | 11.49 | 10.37 | 9.46 | 8.79 |
| 75—36DY392F400DE2A | | 3900 | 3.000 x 5.125 | 82.77 | 74.65 | 68.16 | 63.29 |
| 450 Volt | | | | | | | |
| 75—36DY101F450AN2A | | 100 | 1.375 x 1.625 | 12.74 | 11.49 | 10.49 | 9.74 |
| 75—36DY102F450BC2A | | 1000 | 2.000 x 4.125 | 35.57 | 32.09 | 29.30 | 27.20 |
| 75—36DY152F450BF2A | | 1500 | 2.000 x 5.625 | 44.75 | 39.78 | 35.80 | 33.77 |
| 75—36DY182F450CC2A | | 1800 | 2.500 x 4.125 | 62.73 | 56.30 | 51.06 | 47.73 |
| 75—36DY332F450DD2A | | 3300 | 3.000 x 4.625 | 90.34 | 81.49 | 74.40 | 69.09 |

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



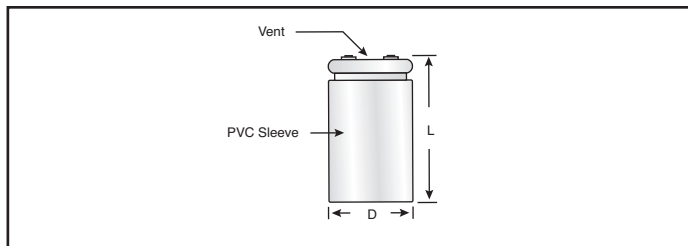
RoHS Compliant

Performance Characteristics:

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

For quantities of 100 and up, call for quote.

| MOUSER STOCK NO. | | Value (μF) | Case Dxl (In.) | Price Each | | | |
|--------------------|------------------|------------|----------------|------------|-------|-------|-------|
| Mfr. | Mfr. Part Number | | | 1 | 10 | 25 | 50 |
| 25 Volt | | | | | | | |
| 75—36DX452G025AA2A | | 4500 | 1.375 x 2.125 | 8.80 | 8.07 | 7.46 | 6.78 |
| 75—36DX203G025AF2A | | 20000 | 1.375 x 5.625 | 10.25 | 9.40 | 8.70 | 7.90 |
| 75—36DX303G025BC2A | | 30000 | 2.000 x 4.125 | 13.20 | 12.11 | 11.20 | 10.17 |
| 75—36DX503G025CC2A | | 50000 | 2.500 x 4.125 | 19.85 | 18.21 | 16.85 | 15.30 |
| 40 Volt | | | | | | | |
| 75—36DX292G040AA2A | | 2900 | 1.375 x 2.125 | 7.41 | 6.80 | 6.29 | 5.71 |
| 75—36DX582G040AB2A | | 5800 | 1.375 x 3.125 | 8.72 | 8.00 | 7.40 | 6.72 |
| 75—36DX872G040AC2A | | 8700 | 1.375 x 4.125 | 10.23 | 9.38 | 8.68 | 7.88 |
| 75—36DX203G040BC2A | | 20000 | 2.000 x 4.125 | 18.72 | 17.17 | 15.89 | 14.43 |
| 75—36DX343G040CC2A | | 34000 | 2.500 x 4.125 | 18.83 | 17.27 | 15.98 | 14.51 |
| 75—36DX513G040CF2A | | 51000 | 2.500 x 5.625 | 24.36 | 22.35 | 20.68 | 18.78 |
| 75—36DX124G040DJ2A | | 120000 | 3.000 x 8.625 | 57.68 | 52.92 | 48.95 | 44.45 |
| 50 Volt | | | | | | | |
| 75—36DX242G050AA2A | | 2400 | 1.375 x 2.125 | 8.28 | 7.60 | 7.03 | 6.38 |
| 75—36DX482G050AB2A | | 4800 | 1.375 x 3.125 | 9.45 | 8.67 | 8.02 | 7.28 |
| 75—36DX722G050AC2A | | 7200 | 1.375 x 4.125 | 10.29 | 9.44 | 8.73 | 7.93 |
| 75—36DX163G050BC2A | | 16000 | 2.000 x 4.125 | 13.95 | 12.79 | 11.83 | 10.75 |
| 75—36DX273G050CC2A | | 27000 | 2.500 x 4.125 | 21.75 | 19.95 | 18.46 | 16.76 |
| 75—36DX413G050DC2A | | 41000 | 3.000 x 4.125 | 32.32 | 29.45 | 27.04 | 24.54 |
| 75 Volt | | | | | | | |
| 75—36DX282G075AB2A | | 2800 | 1.375 x 4.125 | 9.29 | 8.52 | 7.88 | 7.16 |
| 75—36DX422G075AC2A | | 4200 | 1.375 x 4.125 | 11.10 | 10.19 | 9.42 | 8.56 |
| 75—36DX103G075BC2A | | 10000 | 2.000 x 4.125 | 19.71 | 18.09 | 16.73 | 15.19 |
| 75—36DX173G075CC2A | | 17000 | 2.500 x 4.125 | 22.84 | 20.95 | 19.38 | 17.60 |
| 75—36DX403G075DF2A | | 40000 | 3.000 x 5.625 | 41.06 | 37.67 | 34.84 | 31.64 |



For quantities of 100 and up, call for quote.

| MOUSER STOCK NO. | | Value (μF) | Case Dxl (In.) | Price Each | | | |
|--------------------|------------------|------------|----------------|------------|-------|-------|-------|
| Mfr. | Mfr. Part Number | | | 1 | 10 | 25 | 50 |
| 100 Volt | | | | | | | |
| 75—36DX262G100AC2A | | 2600 | 1.375 x 4.125 | 10.70 | 9.81 | 9.08 | 8.24 |
| 75—36DX982G100CC2A | | 9800 | 2.500 x 4.125 | 23.61 | 21.66 | 20.04 | 18.19 |
| 200 Volt | | | | | | | |
| 75—36DX851F200AC2A | | 850 | 1.375 x 4.125 | 10.86 | 9.96 | 9.21 | 8.37 |
| 75—36DX202F200BC2A | | 2000 | 2.000 x 4.125 | 19.18 | 17.59 | 16.27 | 14.78 |
| 75—36DX282F200BC2A | | 2800 | 2.000 x 4.125 | 19.53 | 17.92 | 16.58 | 15.05 |
| 75—36DX342F200CC2A | | 3400 | 2.500 x 4.125 | 24.66 | 22.63 | 20.93 | 19.01 |
| 250 Volt | | | | | | | |
| 75—36DX251F250AA2A | | 250 | 1.375 x 2.125 | 9.35 | 8.58 | 7.93 | 7.21 |
| 75—36DX501F250AB2A | | 500 | 1.375 x 3.215 | 10.90 | 10.00 | 9.25 | 8.40 |
| 75—36DX292F250CC2A | | 2900 | 2.500 x 4.125 | 29.41 | 26.98 | 24.96 | 22.67 |
| 75—36DX422F250CF2A | | 4200 | 2.500 x 5.625 | 37.41 | 34.32 | 31.75 | 28.83 |
| 75—36DX103F250DJ2A | | 10000 | 3.000 x 8.625 | 78.20 | 71.74 | 66.36 | 60.26 |
| 350 Volt | | | | | | | |
| 75—36DX261F350AB2A | | 260 | 1.375 x 3.215 | 11.02 | 10.11 | 9.35 | 8.49 |
| 75—36DX381F350AC2A | | 380 | 1.375 x 4.125 | 13.46 | 12.35 | 11.43 | 10.38 |
| 75—36DX332F350DF2A | | 3300 | 3.000 x 5.625 | 58.55 | 53.71 | 49.69 | 45.12 |
| 75—36DX512F350DJ2A | | 5100 | 3.000 x 8.625 | 97.56 | 89.51 | 82.79 | 75.19 |
| 450 Volt | | | | | | | |
| 75—36DX161F450AB2A | | 160 | 1.375 x 3.125 | 11.71 | 10.74 | 9.93 | 9.02 |
| 75—36DX231F450AC2A | | 230 | 1.375 x 4.125 | 13.17 | 12.08 | 11.18 | 10.15 |
| 75—36DX381F450BB2A | | 380 | 2.000 x 3.215 | 17.66 | 16.20 | 14.99 | 13.61 |
| 75—36DX202F450DF2A | | 2000 | 3.000 x 5.625 | 52.80 | 48.44 | 44.81 | 40.69 |

