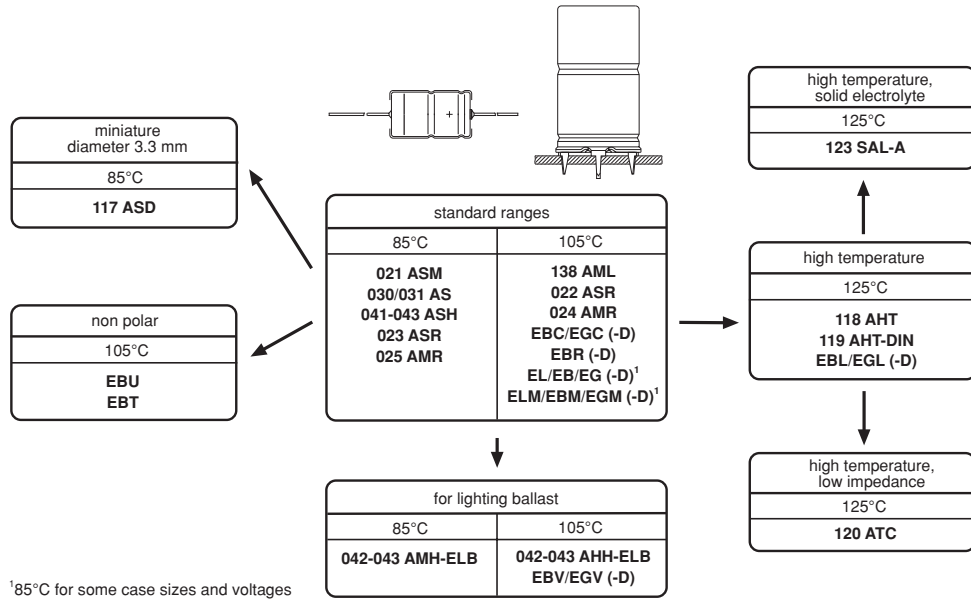
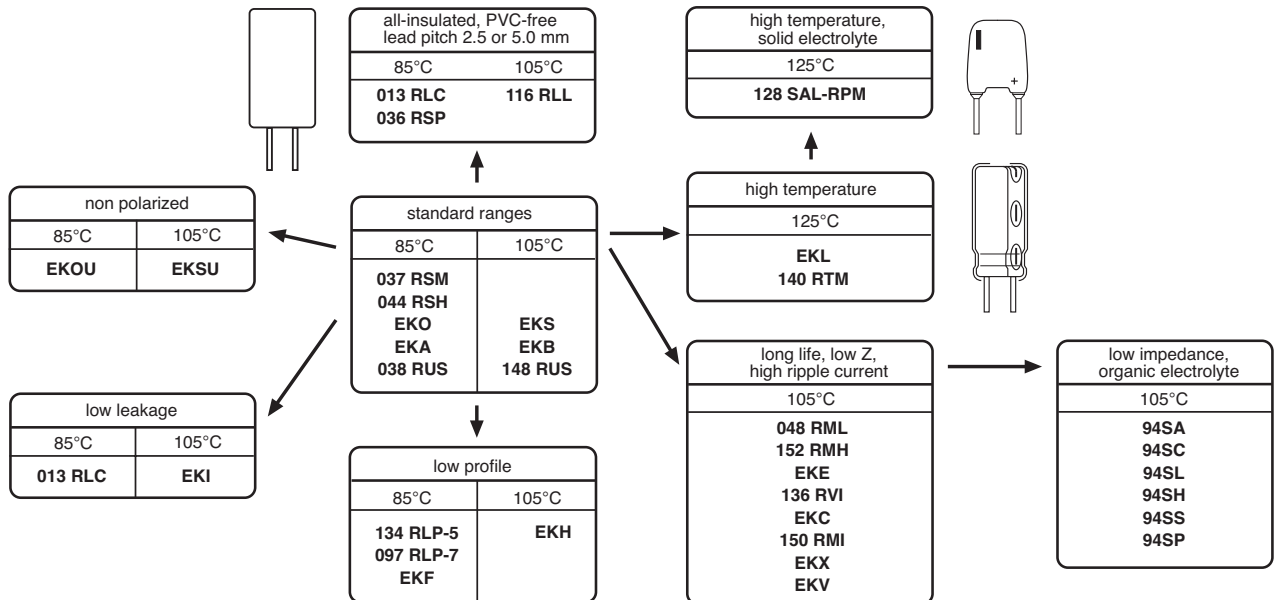


Selection Charts

AXIAL SERIES

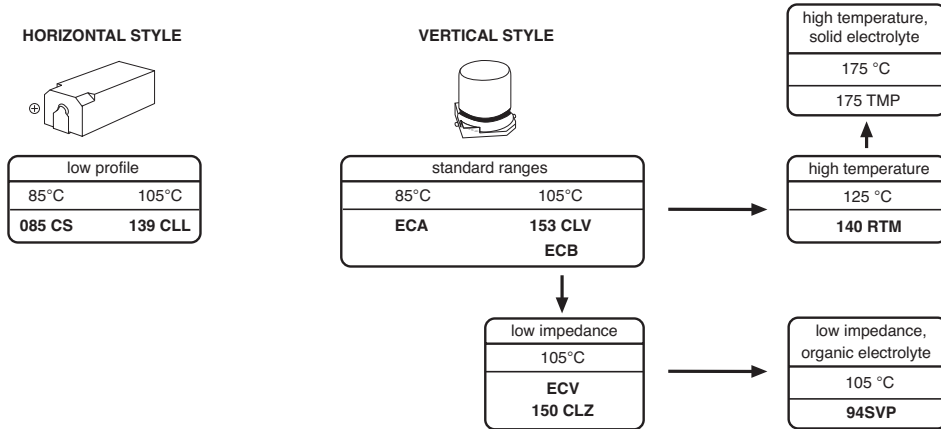


RADIAL SERIES

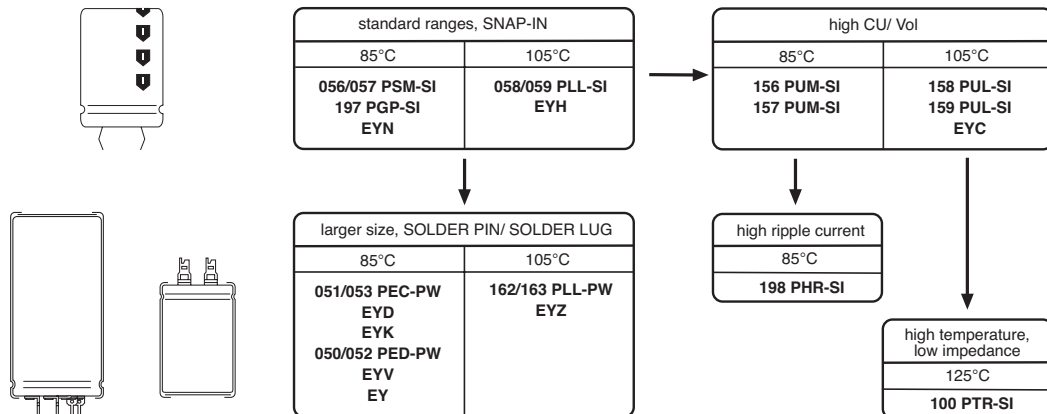


Selection Charts

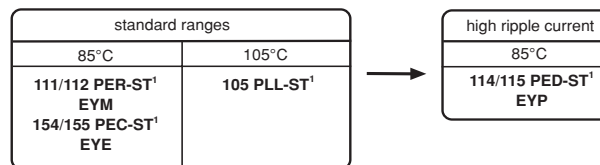
SMD SERIES



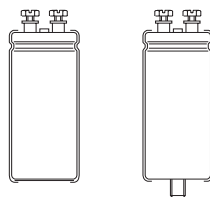
SNAP-IN/SOLDER PIN/SOLDER LUG SERIES



SCREW TERMINAL SERIES



¹not available in North America



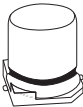
Aluminum Capacitors

Vishay



FEATURES

- General purpose and special styles
- Long life and high reliability styles
- High capacitance and high ripple current styles

| PRODUCT DESCRIPTION | TYPE | CAPACITANCE RANGE (μF) | VOLTAGE (V) | TEMPERATURE RATING (°C) | | TOLERANCE (± %) | DIMENSIONS (mm) | |
|---|-------|------------------------|-------------------|-------------------------|----------------|-----------------|-----------------|-----------------------|
| | | | | MIN. | MAX. | | CASE LENGTH | CASE Ø |
| Aluminum Capacitors SMD Type Useful life 2500h/85°C | ECA | 47 - 220 | 4 | - 40 | 85 | 20 | 5.4 | 3 - 6.3 |
| | ECA | 22 - 1000 | 6.3 | - 40 | 85 | 20 | 5.4 - 10.2 | 3 - 10 |
| | ECA | 33 - 470 | 10 | - 40 | 85 | 20 | 5.4 - 10.2 | 4 - 10 |
| | ECA | 10 - 470 | 16 | - 40 | 85 | 20 | 5.4 - 10.2 | 3 - 10 |
| | ECA | 4.7 - 220 | 25 | - 40 | 85 | 20 | 5.4 - 10.2 | 3 - 10 |
| | ECA | 2.2 - 100 | 35 | - 40 | 85 | 20 | 5.4 - 10.2 | 3 - 10 |
| | ECA | 0.1 - 47 | 50 | - 40 | 85 | 20 | 5.4 - 10.2 | 3 - 10 |
| Aluminum Capacitors SMD Type Useful life 1500h/105°C | ECB | 22 - 100 | 6.3 | - 55 | 105 | 20 | 5.4 | 4 - 6.3 |
| | ECB | 22 - 47 | 10 | - 55 | 105 | 20 | 5.4 | 5 - 6.3 |
| | ECB | 10 - 47 | 16 | - 55 | 105 | 20 | 5.4 | 4 - 6.3 |
| | ECB | 4.7 - 33 | 25 | - 55 | 105 | 20 | 5.4 | 4 - 6.3 |
| | ECB | 4.7 - 22 | 35 | - 55 | 105 | 20 | 5.4 | 4 - 6.3 |
| | ECB | 0.1 - 10 | 50 | - 55 | 105 | 20 | 5.4 | 4 - 6.3 |
| Aluminum Capacitors SMD Type Useful life 2500h/105°C | ECV | 47 - 220 | 4 | - 40 | 105 | 20 | 5.8 | 4 - 6.3 |
| | ECV | 22 - 100 | 6.3 | - 40 | 105 | 20 | 5.8 | 4 - 6.3 |
| | ECV | 33 | 10 | - 40 | 105 | 20 | 5.8 | 5 |
| | ECV | 10 - 47 | 16 | - 40 | 105 | 20 | 5.8 | 4 - 6.3 |
| | ECV | 4.7 - 33 | 25 | - 40 | 105 | 20 | 5.8 | 4 - 6.3 |
| | ECV | 10 - 22 | 35 | - 40 | 105 | 20 | 5.8 | 5 - 6.3 |
| | ECV | 0.1 - 10 | 50 | - 40 | 105 | 20 | 5.8 | 4 - 6.3 |
| PRODUCT DESCRIPTION | TYPE | CASE CODE | RATED VOLTAGE (V) | NOM. CAP. (μF) | RIPPLE CURRENT | LEAKAGE CURRENT | TANGENT OF LOSS | MAX. ESR 100K-300 KHZ |
| Aluminum Capacitors SMD Type Organic Semiconductor Electrolyte  | 94SVP | A5 | 16 - 4 | 3.3 - 33 | 590 - 74 | 26.4 - 66 | 0.07 - 0.15 | 280 - 200 |
| | 94SVP | B6 | 20 - 4 | 10 - 68 | 850 - 1100 | 100 - 136 | 0.10 - 0.15 | 170 - 70 |
| | 94SVP | C6 | 25 - 4 | 6.8 - 150 | 1200 - 1620 | 85 - 120 | 0.10 - 0.12 | 80 - 50 |
| | 94SVP | E7 | 25 - 4 | 10 - 330 | 1500 - 2560 | 125 - 264 | 0.10 - 0.12 | 60 - 35 |
| | 94SVP | F8 | 25 - 4 | 22 - 680 | 2000 - 3700 | 275 - 544 | 0.10 - 0.12 | 50 - 25 |
| | 94SVP | E12 | 25 - 2.5 | 33 - 680 | 3700 - 4080 | 413 - 340 | 0.12 - 0.15 | 30 - 16 |
| | 94SVP | F12 | 25 - 2.5 | 56 - 1500 | 3800 - 5230 | 340 - 750 | 0.12 - 0.18 | 28 - 13 |



| PRODUCT DESCRIPTION | TYPE | CAPACITANCE RANGE (μF) | VOLTAGE (V) | TEMPERATURE RATING (°C) | | TOLERANCE (± %) | DIMENSIONS (mm) | |
|--|------|------------------------|-------------|-------------------------|------|-----------------|-----------------|----------|
| | | | | MIN. | MAX. | | CASE LENGTH | CASE Ø |
| Aluminum Capacitors RADIAL Type Very small dimensions Useful life 3000h/85°C | EKF | 22 - 220 | 6.3 | - 40 | 85 | 20 | 5.0 - 7.0 | 4 - 8 |
| | EKF | 15 - 220 | 10 | - 40 | 85 | 20 | 5.0 - 7.0 | 4 - 8 |
| | EKF | 10 - 150 | 16 | - 40 | 85 | 20 | 5.0 - 7.0 | 4 - 8 |
| | EKF | 6.8 - 100 | 25 | - 40 | 85 | 20 | 5.0 - 7.0 | 4 - 8 |
| | EKF | 4.7 - 47 | 35 | - 40 | 85 | 20 | 5.0 - 7.0 | 4 - 8 |
| | EKF | 3.3 - 33 | 50 | - 40 | 85 | 20 | 5.0 - 7.0 | 4 - 8 |
| | EKF | 0.1 - 22 | 6.3 | - 40 | 85 | 20 | 5.0 - 8.0 | 4 - 8 |
| Aluminum Capacitors RADIAL TYPE Low Profile Useful life 1500h/105°C | EKH | 15 - 220 | 4 | - 55 | 105 | 20 | 5 - 7 | 4 - 8 |
| | EKH | 10 - 220 | 6.3 | - 55 | 105 | 20 | 5 - 7 | 4 - 8 |
| | EKH | 10 - 150 | 10 | - 55 | 105 | 20 | 5 - 7 | 4 - 8 |
| | EKH | 6.8 - 100 | 16 | - 55 | 105 | 20 | 5 - 7 | 4 - 8 |
| | EKH | 4.7 - 68 | 25 | - 55 | 105 | 20 | 5 - 7 | 4 - 8 |
| | EKH | 3.3 - 47 | 35 | - 55 | 105 | 20 | 5 - 7 | 4 - 8 |
| | EKH | 0.1 - 33 | 50 | - 55 | 105 | 20 | 5 - 7 | 4 - 8 |
| | EKH | 0.1 - 4.7 | 63 | - 55 | 105 | 20 | 5 - 7 | 4 - 8 |
| Aluminum Capacitors RADIAL Type Miniaturized dimensions Useful life 3000h/85°C | EKA | 1000 - 22000 | 6.3 | - 40 | 85 | 20 | 11.5 - 40 | 8 - 18 |
| | EKA | 220 - 15000 | 10 | - 40 | 85 | 20 | 11 - 35.5 | 5 - 18 |
| | EKA | 100 - 10000 | 16 | - 40 | 85 | 20 | 11 - 35.5 | 5 - 18 |
| | EKA | 33 - 6800 | 25 | - 40 | 85 | 20 | 11.5 - 35.5 | 8 - 18 |
| | EKA | 47 - 4700 | 35 | - 40 | 85 | 20 | 11 - 35.5 | 5 - 18 |
| | EKA | 220 - 3300 | 50 | - 40 | 85 | 20 | 12.5 - 35.5 | 10 - 18 |
| | EKA | 33 - 1000 | 63 | - 40 | 85 | 20 | 11 - 25 | 5 - 16 |
| | EKA | 10 - 470 | 100 | - 40 | 85 | 20 | 11 - 25 | 5 - 16 |
| | EKA | 4.7 - 330 | 160 | - 40 | 85 | 20 | 11 - 35.5 | 6.3 - 18 |
| | EKA | 3.3 - 220 | 200 | - 40 | 85 | 20 | 11 - 35.5 | 6.3 - 18 |
| | EKA | 3.3 - 220 | 250 | - 40 | 85 | 20 | 11.5 - 40 | 8 - 18 |
| | EKA | 3.3 - 100 | 350 | - 40 | 85 | 20 | 11.5 - 35.5 | 8 - 16 |
| | EKA | 2.2 - 100 | 400 | - 40 | 85 | 20 | 11.5 - 40 | 8 - 18 |
| | EKA | 1.0 - 47 | 450 | - 40 | 85 | 20 | 11.5 - 31.5 | 8 - 16 |
| Aluminum Capacitors RADIAL Type Standard dimensions Useful life 3000h/85°C General Purposes | EKO | 100 - 10000 | 10 | - 40 | 85 | 20 | 11 - 35.5 | 5 - 18 |
| | EKO | 100 - 6800 | 16 | - 40 | 85 | 20 | 11 - 35.5 | 6.3 - 18 |
| | EKO | 47 - 4700 | 25 | - 40 | 85 | 20 | 11 - 35.5 | 5 - 18 |
| | EKO | 33 - 3300 | 35 | - 40 | 85 | 20 | 11 - 35.5 | 5 - 18 |
| | EKO | 0.47 - 2200 | 50 | - 40 | 85 | 20 | 11 - 35.5 | 5 - 18 |
| | EKO | 4.7 - 1000 | 63 | - 40 | 85 | 20 | 11 - 31.5 | 5 - 16 |
| | EKO | 0.47 - 470 | 100 | - 40 | 85 | 20 | 11 - 31.5 | 5 - 16 |
| | EKO | 1 - 220 | 160 | - 40 | 85 | 20 | 11 - 35.5 | 6.3 - 18 |
| | EKO | 1 - 100 | 250 | - 40 | 85 | 20 | 11 - 31.5 | 6.3 - 16 |
| | EKO | 2.2 - 100 | 350 | - 40 | 85 | 20 | 12.5 - 40 | 10 - 18 |
| | EKO | 2.2 - 68 | 400 | - 40 | 85 | 20 | 12.5 - 35.5 | 10 - 16 |
| | EKO | 1 - 47 | 450 | - 40 | 85 | 20 | 11.5 - 35.5 | 8 - 16 |

Aluminum Capacitors

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| PRODUCT DESCRIPTION | TYPE | CAPACITANCE RANGE (µF) | VOLTAGE (V) | TEMPERATURE RATING (°C) | | TOLERANCE (± %) | DIMENSIONS (mm) | |
|---|------|------------------------|-------------|-------------------------|------|-----------------|-----------------|----------|
| | | | | MIN. | MAX. | | CASE LENGTH | CASE Ø |
| Aluminum Capacitors RADIAL TYPE NON POLAR Useful life 3000h/85°C | EKOU | 68 - 6800 | 6.3 | - 40 | - 85 | 20 | 11 - 40 | 5 - 18 |
| | EKOU | 47 - 4700 | 10 | - 40 | - 85 | 20 | 11 - 40 | 5 - 18 |
| | EKOU | 33 - 3300 | 16 | - 40 | - 85 | 20 | 11 - 40 | 5 - 18 |
| | EKOU | 22 - 2200 | 25 | - 40 | - 85 | 20 | 11 - 40 | 5 - 18 |
| | EKOU | 15 - 1500 | 35 | - 40 | - 85 | 20 | 11 - 40 | 5 - 18 |
| | EKOU | 0.47 - 1000 | 50 | - 40 | - 85 | 20 | 11 - 40 | 5 - 18 |
| | EKOU | 0.47 - 680 | 63 | - 40 | - 85 | 20 | 11 - 40 | 5 - 18 |
| | EKOU | 0.47 - 330 | 100 | - 40 | - 85 | 20 | 11 - 40 | 5 - 18 |
| | EKOU | 3.3 - 68 | 160 | - 40 | - 85 | 20 | 16 - 35.5 | 5 - 18 |
| | EKOU | 3.3 - 47 | 200 | - 40 | - 85 | 20 | 16 - 40 | 5 - 18 |
| | EKOU | 3.3 - 33 | 250 | - 40 | - 85 | 20 | 20 - 35.5 | 5 - 18 |
| Aluminum Capacitors RADIAL Type Miniaturized dimensions Useful life: Diam. 5 - 8 1500h/105°C Diam. 10 - 18 2500h/105°C | EKB | 680 - 22000 | 6.3 | - 40 | 105 | 20 | 11 - 40 | 8 - 18 |
| | EKB | 150 - 15000 | 10 | - 40 | 105 | 20 | 11 - 35.5 | 5 - 18 |
| | EKB | 100 - 10000 | 16 | - 40 | 105 | 20 | 11 - 35.5 | 5 - 18 |
| | EKB | 68 - 6800 | 25 | - 40 | 105 | 20 | 11 - 35.5 | 5 - 18 |
| | EKB | 47 - 4700 | 35 | - 40 | 105 | 20 | 11 - 35.5 | 5 - 18 |
| | EKB | 33 - 3300 | 50 | - 40 | 105 | 20 | 11 - 35.5 | 5 - 18 |
| | EKB | 15 - 1500 | 63 | - 40 | 105 | 20 | 11 - 35.5 | 5 - 16 |
| | EKB | 2.2 - 1000 | 100 | - 40 | 105 | 20 | 11 - 40 | 5 - 18 |
| | EKB | 4.7 - 330 | 160 | - 40 | 105 | 20 | 11 - 35.5 | 6.3 - 18 |
| | EKB | 3.3 - 220 | 200 | - 40 | 105 | 20 | 11 - 35.5 | 6.3 - 18 |
| | EKB | 2.2 - 150 | 250 | - 40 | 105 | 20 | 11 - 35.5 | 6.3 - 16 |
| | EKB | 2.2 - 68 | 350 | - 40 | 105 | 20 | 11.5 - 31.5 | 8 - 16 |
| | EKB | 2.2 - 68 | 400 | - 40 | 105 | 20 | 11.5 - 35.5 | 8 - 18 |
| | EKB | 2.2 - 47 | 450 | - 40 | 105 | 20 | 12.5 - 35.5 | 10 - 16 |
| Aluminum Capacitors RADIAL Type Standard dimensions Useful life: Diam. 5 - 8 1500h/105°C Diam. 10 - 18 2500h/105°C | EKS | 100 - 10000 | 10 | - 40 | 105 | 20 | 11 - 35.5 | 5 - 18.0 |
| | EKS | 100 - 6800 | 16 | - 40 | 105 | 20 | 11 - 40 | 6.3 - 16 |
| | EKS | 47 - 4700 | 25 | - 40 | 105 | 20 | 11 - 40 | 5 - 18 |
| | EKS | 33 - 3300 | 35 | - 40 | 105 | 20 | 11 - 35.5 | 5 - 18 |
| | EKS | 0.47 - 2200 | 50 | - 40 | 105 | 20 | 11 - 35.5 | 5 - 18 |
| | EKS | 10 - 1000 | 63 | - 40 | 105 | 20 | 11 - 31.5 | 5 - 16 |
| | EKS | 0.47 - 680 | 100 | - 40 | 105 | 20 | 11 - 40 | 5 - 18 |
| | EKS | 2.2 - 220 | 160 | - 40 | 105 | 20 | 11 - 40 | 6.3 - 16 |
| | EKS | 0.47 - 150 | 250 | - 40 | 105 | 20 | 11 - 40 | 6.3 - 18 |
| | EKS | 1 - 100 | 350 | - 40 | 105 | 20 | 11.5 - 40 | 8 - 18 |
| | EKS | 1 - 47 | 400 | - 40 | 105 | 20 | 11.5 - 35.5 | 8 - 16 |
| | EKS | 1 - 47 | 450 | - 40 | 105 | 20 | 11.5 - 40.0 | 8 - 18 |



| PRODUCT DESCRIPTION | TYPE | CAPACITANCE RANGE (μF) | VOLTAGE (V) | TEMPERATURE RATING (°C) | | TOLERANCE (± %) | DIMENSIONS (mm) | |
|--|--|------------------------|-------------|-------------------------|------|-----------------|-----------------|-----------|
| | | | | MIN. | MAX. | | CASE LENGTH | CASE Ø |
| Aluminum Capacitors RADIAL TYPE NON POLAR Useful life 1500h/105°C | EKSU | 33 - 4700 | 6.3 | - 40 | 105 | 20 | 11 - 40 | 5 - 18 |
| | EKSU | 22 - 3300 | 10 | - 40 | 105 | 20 | 11 - 40 | 5 - 18 |
| | EKSU | 15 - 2200 | 16 | - 40 | 105 | 20 | 11 - 40 | 5 - 18 |
| | EKSU | 10 - 1500 | 25 | - 40 | 105 | 20 | 11 - 40 | 5 - 18 |
| | EKSU | 6.8 - 1000 | 35 | - 40 | 105 | 20 | 11 - 40 | 5 - 18 |
| | EKSU | 4.7 - 680 | 50 | - 40 | 105 | 20 | 11 - 40 | 5 - 18 |
| | EKSU | 3.3 - 470 | 63 | - 40 | 105 | 20 | 11 - 40 | 5 - 18 |
| | EKSU | 0.1 - 15 | 100 | - 40 | 105 | 20 | 11 - 16 | 5 - 10 |
| Aluminum Capacitors RADIAL Type Low leakage Useful life 1500h/105°C | EKI | 47 - 330 | 10 | - 40 | 105 | 20 | 11.0 - 12.5 | 5 - 10 |
| | EKI | 33 - 220 | 16 | - 40 | 105 | 20 | 11.0 - 12.5 | 5 - 10 |
| | EKI | 22 - 100 | 25 | - 40 | 105 | 20 | 11.0 - 11.5 | 5 - 8 |
| | EKI | 22 - 100 | 35 | - 40 | 105 | 20 | 11.0 - 12.5 | 6.3 - 10 |
| | EKI | 0.1 - 68 | 50 | - 40 | 105 | 20 | 11.0 - 12.5 | 5 - 10 |
| Aluminum Capacitors RADIAL Type Useful life: ≤ 50V 2500h/125°C ≥ 63V 1500h/125°C | EKL | 47 - 470 | 10 | - 40 | 125 | 20 | 11.5 - 25 | 8 - 13 |
| | EKL | 33 - 470 | 16 | - 40 | 125 | 20 | 11.5 - 25 | 8 - 16 |
| | EKL | 22 - 330 | 25 | - 40 | 125 | 20 | 11.5 - 25 | 8 - 16 |
| | EKL | 10 - 220 | 35 | - 40 | 125 | 20 | 11.5 - 25 | 8 - 16 |
| | EKL | 0.47 - 100 | 50 | - 40 | 125 | 20 | 11.5 - 25 | 8 - 13 |
| | EKL | 0.47 - 100 | 63 | - 40 | 125 | 20 | 11.5 - 25 | 8 - 13 |
| | EKL | 0.47 - 47 | 100 | - 40 | 125 | 20 | 11.5 - 31.5 | 8 - 16 |
| Aluminum Capacitors RADIAL Type Low impedance Useful life ≤100V: Diam. 5, 6.3 2500h/105°C Diam. 8, 10 3500h/105°C Diam. ≥12.5 5500h/105°C Useful life > 100V: 2500h/105°C | EKE | 10 - 10000 | 10 | - 55 | 105 | 20 | 11 - 35.5 | 5 - 18 |
| | EKE | 330 - 10000 | 16 | - 55 | 105 | 20 | 11 - 40 | 8 - 18 |
| | EKE | 47 - 6800 | 25 | - 55 | 105 | 20 | 11 - 40 | 5 - 18 |
| | EKE | 33 - 4700 | 35 | - 55 | 105 | 20 | 11 - 40 | 5 - 18 |
| | EKE | 22 - 2200 | 50 | - 55 | 105 | 20 | 11 - 35.5 | 5 - 18 |
| | EKE | 10 - 1000 | 63 | - 55 | 105 | 20 | 11 - 31.5 | 5 - 16 |
| | EKE | 0.47 - 470 | 100 | - 55 | 105 | 20 | 11 - 31.5 | 5 - 16 |
| | EKE | 10 - 220 | 160 | - 40 | 105 | 20 | 16 - 35.5 | 10 - 18 |
| | EKE | 10 - 220 | 200 | - 40 | 105 | 20 | 16 - 35.5 | 10 - 18 |
| | EKE | 4.7 - 220 | 250 | - 40 | 105 | 20 | 16 - 40 | 10 - 18 |
| | EKE | 3.3 - 33 | 400 | - 40 | 105 | 20 | 20 - 31.5 | 10 - 16 |
| | EKE | 2.2 - 33 | 450 | - 40 | 105 | 20 | 16 - 35.5 | 10 - 18 |
| | Aluminum Capacitors RADIAL Type Low impedance Useful Life 3000h - 10000h/105°C | EKC | 82 - 8200 | 10 | - 55 | 105 | 20 | 11.5 - 40 |
| EKC | | 47 - 5600 | 16 | - 55 | 105 | 20 | 11.5 - 40 | 5-16 |
| EKC | | 39 - 3900 | 25 | - 55 | 105 | 20 | 11.5 - 40 | 5-16 |
| EKC | | 22 - 2700 | 35 | - 55 | 105 | 20 | 11.5 - 40 | 5-16 |
| EKC | | 18 - 1500 | 50 | - 55 | 105 | 20 | 11.5 - 40 | 5-16 |
| EKC | | 10 - 1000 | 63 | - 55 | 105 | 20 | 11.5 - 40 | 5-16 |

Aluminum Capacitors

Vishay



| PRODUCT DESCRIPTION | TYPE | CAPACITANCE RANGE (μF) | VOLTAGE (V) | TEMPERATURE RATING (°C) | | TOLERANCE (± %) | DIMENSIONS (mm) | |
|--|--------------|------------------------|-------------|-------------------------|---------|-----------------|-----------------|-----------|
| | | | | MIN. | MAX. | | CASE LENGTH | CASE Ø |
| Aluminum Capacitors RADIAL Type Very low impedance Useful life: Diam. 5, 6.3 2500h/105°C Diam. 8 3500h/105°C Diam. 10 4500h/105°C Diam. 12.5 - 18 5500h/105°C | EKX | 22-15000 | 6.3 | - 40 | 105 | 20 | 11 - 35.5 | 5 - 18 |
| | EKX | 22-10000 | 10 | - 40 | 105 | 20 | 11 - 35.5 | 5 - 18 |
| | EKX | 10-6800 | 16 | - 40 | 105 | 20 | 11 - 35.5 | 5 - 18 |
| | EKX | 4.7-4700 | 25 | - 40 | 105 | 20 | 11 - 35.5 | 5 - 18 |
| | EKX | 4.7-3300 | 35 | - 40 | 105 | 20 | 11 - 35.5 | 5 - 18 |
| | EKX | 0.47-2200 | 50 | - 40 | 105 | 20 | 11 - 35.5 | 5 - 18 |
| | EKX | 3.3-1000 | 63 | - 40 | 105 | 20 | 11 - 35.5 | 5 - 16 |
| | EKX | 2.2-470 | 100 | - 40 | 105 | 20 | 11 - 40 | 5 - 18 |
| Aluminum Capacitors RADIAL Type Ballast applications Useful life: 6000h/105°C | EKV | 10 - 150 | 160 | - 40 | - 105 | 20 | 16 - 31.5 | 10 - 16 |
| | EKV | 10 - 150 | 200 | - 40 | - 105 | 20 | 16 - 31.5 | 10 - 16 |
| | EKV | 10 - 100 | 250 | - 40 | - 105 | 20 | 20 - 31.5 | 10 - 16 |
| | EKV | 10 - 68 | 350 | - 40 | - 105 | 20 | 20 - 31.5 | 10 - 16 |
| | EKV | 10 - 47 | 400 | - 25 | - 105 | 20 | 20 - 31.5 | 10 - 16 |
| | EKV | 6.8 - 33 | 450 | - 25 | - 105 | 20 | 20 - 31.5 | 12.5 - 16 |
| Aluminum Capacitors AXIAL Type Useful life ≤ 100V: Diam. 4.5 - 6 500h/105°C Diam. 6.5 - 10 750h/105°C Diam. 12 - 30 1500h/105°C Useful life > 100V: Diam. 12 - 30 3000h/85°C | ELM/EBM/EGM | 1000 - 47000 | 6.3 | - 40 | 85(105) | 20 | 18 - 40 | 8 - 30 |
| | ELM/EBM/EGM | 100 - 47000 | 10 | - 40 | 85(105) | 20 | 11 - 50 | 4.5 - 30 |
| | ELM/EBM/EGM | 470 - 33000 | 16 | - 40 | 85(105) | 20 | 18 - 45 | 8 - 30 |
| | ELM/EBM/EGM | 33 - 22000 | 25 | - 40 | 85(105) | 20 | 11 - 45 | 4.5 - 30 |
| | ELM/EBM/EGM | 22 - 15000 | 40 | - 40 | 85(105) | 20 | 11 - 50 | 4.5 - 30 |
| | ELM/EBM/EGM | 470 - 10000 | 50 | - 40 | 85(105) | 20 | 25 - 50 | 12 - 30 |
| | ELM/EBM/EGM | 10 - 6800 | 63 | - 40 | 85(105) | 20 | 11 - 45 | 4.5 - 30 |
| | ELM/EBM/EGM | 1 - 3300 | 100 | - 40 | 85(105) | 20 | 11 - 50 | 4.5 - 30 |
| | ELM/EBM/EGM | 100 - 1000 | 160 | - 40 | 85 | 20 | 30 - 40 | 12 - 30 |
| | ELM/EBM/EGM | 100 - 1000 | 200 | - 40 | 85 | 20 | 30 - 50 | 16 - 30 |
| | ELM/EBM/EGM | 47 - 680 | 250 | - 40 | 85 | 20 | 25 - 45 | 12 - 30 |
| | ELM/EBM/EGM | 22 - 330 | 350 | - 40 | 85 | 20 | 25 - 40 | 12 - 30 |
| | ELM/EBM/EGM | 22 - 330 | 385 | - 40 | 85 | 20 | 25 - 45 | 12 - 30 |
| | ELM/EBM/EGM | 22 - 330 | 400 | - 40 | 85 | 20 | 30 - 50 | 12 - 30 |
| | ELM/EBM/EGM | 22 - 220 | 450 | - 40 | 85 | 20 | 30 - 45 | 12 - 30 |
| | ELM/EBM/EGM | 10 - 220 | 500 | - 40 | 85 | 20 | 35 - 50 | 12 - 30 |
| Aluminum Capacitors AXIAL Type Useful life ≤ 100V: Diam. 3.3 1500h/85°C Diam. 4.5 - 6 750h/105°C Diam. 6.5 - 10 1000h/105°C Diam. 12 - 30 2000h/105°C Useful life > 100V: Diam. 6.5 - 10 3000h/85°C Diam. 12 - 30 5000h/85°C | EL / EB / EG | 10 - 33000 | 6.3 | - 40 | 85(105) | - 10 to 50 | 8 - 50 | 3.3 - 30 |
| | EL / EB / EG | 22 - 22000 | 10 | - 40 | 85(105) | - 10 to 50 | 11 - 45 | 4.5 - 30 |
| | EL / EB / EG | 4.7 - 22000 | 16 | - 40 | 85(105) | - 10 to 50 | 8 - 50 | 3.3 - 30 |
| | EL / EB / EG | 10 - 15000 | 25 | - 40 | 85(105) | - 10 to 50 | 11 - 50 | 4.5 - 30 |
| | EL / EB / EG | 1.0 - 10000 | 40 | - 40 | 85(105) | - 10 to 50 | 8 - 50 | 3.3 - 30 |
| | EL / EB / EG | 100 - 6800 | 50 | - 40 | 85(105) | - 10 to 50 | 18 - 50 | 10 - 30 |
| | EL / EB / EG | 0.47 - 4700 | 63 | - 40 | 85(105) | - 10 to 50 | 8 - 50 | 3.3 - 30 |
| | EL / EB / EG | 0.47 - 2200 | 100 | - 40 | 85(105) | - 10 to 50 | 11 - 50 | 4.5 - 30 |
| | EL / EB / EG | 4.7 - 680 | 160 | - 40 | 85 | - 10 to 50 | 18 - 45 | 6.5 - 30 |
| | EL / EB / EG | 2.2 - 470 | 250 | - 40 | 85 | - 10 to 50 | 18 - 50 | 6.5 - 30 |
| | EL / EB / EG | 4.7 - 330 | 350 | - 40 | 85 | - 10 to 50 | 18 - 50 | 10 - 30 |
| | EL / EB / EG | 1.0 - 220 | 385 | - 40 | 85 | - 10 to 50 | 18 - 45 | 6.5 - 30 |
| | EL / EB / EG | 15 - 220 | 400 | - 40 | 85 | - 10 to 50 | 25 - 40 | 12 - 30 |
| | EL / EB / EG | 10 - 220 | 450 | - 40 | 85 | - 10 to 50 | 25 - 50 | 12 - 30 |
| | EL / EB / EG | 6.8 - 150 | 500 | - 40 | 85 | - 10 to 50 | 25 - 45 | 12 - 30 |



| PRODUCT DESCRIPTION | TYPE | CAPACITANCE RANGE (μF) | VOLTAGE (V) | TEMPERATURE RATING (°C) | | TOLERANCE (± %) | DIMENSIONS (mm) | |
|---|-----------|------------------------|-------------|-------------------------|---------|-----------------|-----------------|----------|
| | | | | MIN. | MAX. | | CASE LENGTH | CASE Ø |
| Aluminum Capacitors AXIAL TYPE NON POLAR Useful life 1000h/105°C | EBU | 47 - 220 | 16 | - 40 | 85(105) | - 10 to 50 | 18 - 25 | 8 - 10 |
| | EBU | 10 - 100 | 40 | - 40 | 85(105) | - 10 to 50 | 18 - 25 | 8 - 10 |
| | EBU | 10 - 47 | 63 | - 40 | 85(105) | - 10 to 50 | 18 - 25 | 8 - 10 |
| Aluminum Capacitors AXIAL Type Low impedance Useful life 1000h/105°C | EBR | 100 - 470 | 16 | - 40 | 85(105) | - 10 to 50 | 18 - 25 | 8-10 |
| | EBR | 100 - 220 | 25 | - 40 | 85(105) | - 10 to 50 | 18 - 25 | 8-10 |
| | EBR | 47 - 100 | 40 | - 40 | 85(105) | - 10 to 50 | 18 - 25 | 8-10 |
| | EBR | 22 - 47 | 63 | - 40 | 85(105) | - 10 to 50 | 18 - 25 | 8-10 |
| | EBR | 10 - 47 | 100 | - 40 | 85(105) | - 10 to 50 | 18 - 25 | 8-10 |
| Aluminum Capacitors AXIAL Type Useful life ≤100V: Diam. 6.5 - 10 3000h/105°C Diam. 12 - 30 5000h/105°C Useful life > 100V: Diam. 6.5 - 10 3000h/105°C Diam. 12 - 30 4000h/105°C | EBC / EGC | 47 - 10000 | 16 | - 40 | 105 | - 10 to 50 | 18 - 40 | 6.5-30 |
| | EBC / EGC | 22 - 6800 | 25 | - 40 | 105 | - 10 to 50 | 18 - 40. | 6.5-30 |
| | EBC / EGC | 10 - 4700 | 40 | - 40 | 105 | - 10 to 50 | 18 - 45 | 6.5-30 |
| | EBC / EGC | 4.7 - 2200 | 63 | - 40 | 105 | - 10 to 50 | 18 - 40 | 6.5-30 |
| | EBC / EGC | 4.7 - 1000 | 100 | - 40 | 105 | - 10 to 50 | 18 - 50 | 6.5-25 |
| | EBC / EGC | 2.2 - 470 | 160 | - 40 | 105 | - 10 to 50 | 18 - 45 | 6.5-25 |
| | EBC / EGC | 2.2 - 470 | 250 | - 40 | 105 | - 10 to 50 | 18 - 45 | 8-30 |
| | EBC / EGC | 1 - 220 | 350 | - 40 | 105 | - 10 to 50 | 18 - 40 | 6.5-30 |
| | EBC / EGC | 10 - 220 | 385 | - 40 | 105 | - 10 to 50 | 25 - 45 | 12-30 |
| | EBC / EGC | 10 - 220 | 400 | - 40 | 105 | - 10 to 50 | 25 - 45 | 12-30 |
| | EBC / EGC | 10 - 220 | 450 | - 40 | 105 | - 10 to 50 | 25 - 50 | 12-30 |
| Aluminum Capacitors AXIAL Type Useful life: Diam. 6.5 - 10 4000h/125°C Diam. 12 - 21 8000h/125°C Endurance test for: Diam. 12 - 21 1000h/150°C | EBL / EGL | 220 - 10000 | 10 | - 40 | 125 | 20 | 18 - 40 | 6.5 - 21 |
| | EBL / EGL | 150 - 6800 | 16 | - 40 | 125 | 20 | 18 - 40 | 6.5 - 21 |
| | EBL / EGL | 100 - 4700 | 25 | - 40 | 125 | 20 | 18 - 40 | 6.5 - 21 |
| | EBL / EGL | 47 - 2200 | 40 | - 40 | 125 | 20 | 18 - 40 | 6.5 - 21 |
| | EBL / EGL | 10 - 1000 | 63 | - 40 | 125 | 20 | 18 - 40 | 6.5 - 21 |
| | EBL / EGL | 10 - 470 | 100 | - 40 | 125 | 20 | 18 - 40 | 6.5 - 21 |
| | EBL / EGL | 33 - 100 | 200 | - 40 | 125 | 20 | 25 - 40 | 12 - 21 |
| Aluminum Capacitors AXIAL TYPE, NON POLAR Useful life 1000h/105°C | EBT | 2.2 - 22 | 40/15~ | - 40 | 85(105) | 15 | 18 - 25 | 8 - 10 |
| | EBT | 2.2 - 10 | 63/23~ | - 40 | 85(105) | 15 | 18 - 25 | 8 - 10 |
| | EBT | 2.2 - 4.7 | 100/35~ | - 40 | 85(105) | 15 | 18 - 25 | 8 - 10 |

Aluminum Capacitors

Vishay



| PRODUCT DESCRIPTION | TYPE | CAPACITANCE RANGE (μF) | VOLTAGE (V) | TEMPERATURE RATING (°C) | | TOLERANCE (± %) | DIMENSIONS (mm) | |
|---|------|------------------------|-------------|-------------------------|------|-----------------|-----------------|---------|
| | | | | MIN. | MAX. | | CASE LENGTH | CASE Ø |
| Aluminum Capacitors MOUNTING RING Useful life ≤ 100V: 2000h/105°C Useful life > 100V: 5000h/85°C | EGD | 3300 - 22000 | 10 | - 40 | 105 | -10 to 50 | 40 - 45 | 16 - 30 |
| | EGD | 2200 - 22000 | 16 | - 40 | 105 | -10 to 50 | 30 - 50 | 16 - 30 |
| | EGD | 1500 - 15000 | 25 | - 40 | 105 | -10 to 50 | 30 - 50 | 16 - 30 |
| | EGD | 1000 - 10000 | 40 | - 40 | 105 | -10 to 50 | 30 - 50 | 16 - 30 |
| | EGD | 680 - 6800 | 50 | - 40 | 105 | -10 to 50 | 30 - 50 | 16 - 30 |
| | EGD | 470 - 4700 | 63 | - 40 | 105 | -10 to 50 | 30 - 50 | 16 - 30 |
| | EGD | 220 - 2200 | 100 | - 40 | 105 | -10 to 50 | 30 - 50 | 16 - 30 |
| | EGD | 100 - 680 | 160 | - 40 | 85 | -10 to 50 | 30 - 45 | 18 - 30 |
| | EGD | 47 - 470 | 250 | - 40 | 85 | -10 to 50 | 30 - 50 | 16 - 30 |
| | EGD | 33 - 330 | 350 | - 40 | 85 | -10 to 50 | 30 - 50 | 16 - 30 |
| | EGD | 33 - 220 | 385 | - 40 | 85 | -10 to 50 | 30 - 45 | 16 - 30 |
| | EGD | 22 - 220 | 400 | - 40 | 85 | -10 to 50 | 30 - 50 | 16 - 30 |
| | EGD | 22 - 220 | 450 | - 40 | 85 | -10 to 50 | 30 - 50 | 16 - 30 |
| | EGD | 15 - 150 | 500 | - 40 | 85 | -10 to 50 | 30 - 45 | 16 - 30 |
| Aluminum Capacitors MOUNTING RING Useful life ≤ 100V: 5000h/105°C Useful life > 100V: 4000h/105°C | EGCD | 2200 - 10000 | 16 | - 40 | 105 | -10 to 50 | 40 - 45 | 16 - 30 |
| | EGCD | 1000 - 6800 | 25 | - 40 | 105 | -10 to 50 | 30 - 45 | 16 - 30 |
| | EGCD | 470 - 4700 | 40 | - 40 | 105 | -10 to 50 | 30 - 45 | 16 - 30 |
| | EGCD | 470 - 2200 | 63 | - 40 | 105 | -10 to 50 | 40 | 16 - 30 |
| | EGCD | 220 - 1000 | 100 | - 40 | 105 | -10 to 50 | 40 - 50 | 18 - 25 |
| | EGCD | 100 - 470 | 160 | - 40 | 105 | -10 to 50 | 40 - 45 | 16 - 25 |
| | EGCD | 47 - 470 | 250 | - 40 | 105 | -10 to 50 | 30 - 45 | 16 - 30 |
| | EGCD | 47 - 220 | 350 | - 40 | 105 | -10 to 50 | 40 | 18 - 30 |
| | EGCD | 47 - 220 | 385 | - 40 | 105 | -10 to 50 | 40 - 45 | 16 - 30 |
| | EGCD | 47 - 220 | 400 | - 40 | 105 | -10 to 50 | 40 - 45 | 18 - 30 |
| | EGCD | 10 - 220 | 450 | - 40 | 105 | - 10 to 50 | 30 - 50 | 16 - 30 |



| PRODUCT DESCRIPTION | TYPE | CAPACITANCE RANGE (μF) | VOLTAGE (V) | TEMPERATURE RATING (°C) | | TOLERANCE (± %) | DIMENSIONS (mm) | |
|---|------|------------------------|-------------|-------------------------|------|-----------------|-----------------|---------|
| | | | | MIN. | MAX. | | CASE LENGTH | CASE Ø |
| Aluminum Capacitors SNAP IN TYPE Useful life: 3000h/85°C | EYN | 15000 - 100000 | 6.3 | - 40 | 85 | 20 | 25 - 50 | 22 - 40 |
| | EYN | 12000 - 100000 | 10 | - 40 | 85 | 20 | 25 - 50 | 22 - 40 |
| | EYN | 10000 - 100000 | 16 | - 40 | 85 | 20 | 25 - 60 | 22 - 40 |
| | EYN | 5600 - 33000 | 25 | - 40 | 85 | 20 | 25 - 50 | 22 - 40 |
| | EYN | 4700 - 33000 | 35 | - 40 | 85 | 20 | 25 - 50 | 22 - 40 |
| | EYN | 2200 - 27000 | 50 | - 40 | 85 | 20 | 25 - 60 | 22 - 40 |
| | EYN | 1800 - 12000 | 63 | - 40 | 85 | 20 | 25 - 50 | 22 - 40 |
| | EYN | 1200 - 8200 | 100 | - 40 | 85 | 20 | 25 - 50 | 22 - 40 |
| | EYN | 220 - 1800 | 160 | - 40 | 85 | 20 | 20 - 50 | 22 - 40 |
| | EYN | 180 - 1800 | 200 | - 40 | 85 | 20 | 20 - 50 | 22 - 40 |
| | EYN | 150 - 1800 | 250 | - 40 | 85 | 20 | 20 - 60 | 22 - 40 |
| | EYN | 82 - 820 | 350 | - 40 | 85 | 20 | 20 - 50 | 22 - 40 |
| | EYN | 68 - 820 | 400 | - 25 | 85 | 20 | 20 - 60 | 22 - 40 |
| | EYN | 56 - 680 | 450 | - 25 | 85 | 20 | 20 - 60 | 22 - 40 |
| | EYN | 68 - 680 | 500 | - 25 | 85 | 20 | 30 - 60 | 22 - 40 |
| Aluminum Capacitors SNAP IN TYPE Useful life: 3000h/105°C | EYH | 12000 - 68000 | 6.3 | - 45 | 105 | 20 | 25 - 50 | 22 - 40 |
| | EYH | 10000 - 68000 | 10 | - 40 | 105 | 20 | 25 - 50 | 22 - 40 |
| | EYH | 8200 - 68000 | 16 | - 40 | 105 | 20 | 25 - 60 | 22 - 40 |
| | EYH | 2700 - 27000 | 25 | - 40 | 105 | 20 | 25 - 50 | 22 - 40 |
| | EYH | 3300 - 27000 | 35 | - 40 | 105 | 20 | 25 - 50 | 22 - 40 |
| | EYH | 2200 - 27000 | 50 | - 40 | 105 | 20 | 25 - 60 | 22 - 40 |
| | EYH | 1200 - 10000 | 63 | - 40 | 105 | 20 | 25 - 50 | 22 - 40 |
| | EYH | 820 - 6800 | 100 | - 40 | 105 | 20 | 25 - 50 | 22 - 40 |
| | EYH | 180 - 1500 | 160 | - 40 | 105 | 20 | 20 - 50 | 22 - 40 |
| | EYH | 150 - 1500 | 200 | - 40 | 105 | 20 | 20 - 50 | 22 - 40 |
| | EYH | 150 - 1500 | 250 | - 40 | 105 | 20 | 20 - 60 | 22 - 40 |
| | EYH | 68 - 680 | 350 | - 40 | 105 | 20 | 20 - 50 | 22 - 40 |
| | EYH | 56 - 680 | 400 | - 40 | 105 | 20 | 20 - 60 | 22 - 40 |
| | EYH | 47 - 560 | 450 | - 25 | 105 | 20 | 20 - 50 | 22 - 40 |

Aluminum Capacitors

Vishay



| PRODUCT DESCRIPTION | TYPE | CAPACITANCE RANGE (μF) | VOLTAGE (V) | TEMPERATURE RATING (°C) | | TOLERANCE (± %) | DIMENSIONS (mm) | |
|--|------|------------------------|-------------|-------------------------|------|-----------------|-----------------|---------|
| | | | | MIN. | MAX. | | CASE LENGTH | CASE Ø |
| Aluminum Capacitors SNAP IN TYPE Useful life ≤100V: 10 to 50V 5000h/105°C 63 to 100V 10000h/105°C Useful life > 100V: 5000h/105°C | EYC | 4700 - 47000 | 10 | - 40 | 105 | 20 | 25 - 50 | 22 - 35 |
| | EYC | 3300 - 33000 | 16 | - 40 | 105 | 20 | 25 - 50 | 22 - 35 |
| | EYC | 2200 - 22000 | 25 | - 40 | 105 | 20 | 25 - 50 | 22 - 35 |
| | EYC | 1500 - 15000 | 40 | - 40 | 105 | 20 | 25 - 50 | 22 - 35 |
| | EYC | 1000 - 10000 | 50 | - 40 | 105 | 20 | 25 - 50 | 22 - 35 |
| | EYC | 680 - 6800 | 63 | - 40 | 105 | 20 | 25 - 50 | 22 - 35 |
| | EYC | 330 - 3300 | 100 | - 40 | 105 | 20 | 25 - 50 | 22 - 35 |
| | EYC | 330 - 1800 | 200 | - 40 | 105 | 20 | 25 - 50 | 22 - 35 |
| | EYC | 220 - 1200 | 250 | - 40 | 105 | 20 | 25 - 50 | 22 - 35 |
| | EYC | 68 - 680 | 400 | - 25 | 105 | 20 | 25 - 60 | 22 - 35 |
| | EYC | 56 - 560 | 450 | - 25 | 105 | 20 | 25 - 60 | 22 - 35 |
| Aluminum Capacitors SOLDER PIN TYPE Useful life: 12000h/85°C | EYD | 10000 - 150000 | 10 | - 40 | 85 | 20 | 30 - 105 | 25 - 40 |
| | EYD | 68000 - 100000 | 16 | - 40 | 85 | 20 | 30 - 105 | 25 - 40 |
| | EYD | 4700 - 68000 | 25 | - 40 | 85 | 20 | 30 - 105 | 25 - 40 |
| | EYD | 3300 - 47000 | 40 | - 40 | 85 | 20 | 30 - 105 | 25 - 40 |
| | EYD | 2200 - 22000 | 63 | - 40 | 85 | 20 | 30 - 105 | 25 - 40 |
| | EYD | 680 - 10000 | 100 | - 40 | 85 | 20 | 30 - 80 | 25 - 40 |
| | EYD | 150 - 2200 | 200 | - 40 | 85 | 20 | 30 - 105 | 25 - 40 |
| | EYD | 68 - 1500 | 385 | - 40 | 85 | 20 | 30 - 105 | 25 - 40 |
| | EYD | 68 - 1000 | 400 | - 40 | 85 | 20 | 30 - 105 | 25 - 40 |
| Aluminum Capacitors SOLDER PIN TYPE Useful life: 15000h/85°C | EYV | 4700 - 68000 | 10 | - 40 | 85 | -10 to 30 | 30 - 105 | 25 - 40 |
| | EYV | 3300 - 47000 | 16 | - 40 | 85 | -10 to 30 | 30 - 105 | 25 - 40 |
| | EYV | 2200 - 33000 | 25 | - 40 | 85 | -10 to 30 | 30 - 105 | 25 - 40 |
| | EYV | 1500 - 22000 | 40 | - 40 | 85 | -10 to 30 | 30 - 105 | 25 - 40 |
| | EYV | 1000 - 15000 | 63 | - 40 | 85 | -10 to 30 | 30 - 105 | 25 - 40 |
| | EYV | 470 - 6800 | 100 | - 40 | 85 | -10 to 30 | 30 - 105 | 25 - 40 |
| | EYV | 100 - 1000 | 250 | - 40 | 85 | -10 to 30 | 30 - 80 | 25 - 40 |
| | EYV | 47 - 470 | 385 | - 40 | 85 | -10 to 30 | 30 - 80 | 25 - 40 |
| | EYV | 47 - 680 | 400 | - 40 | 85 | -10 to 30 | 30 - 105 | 25 - 40 |



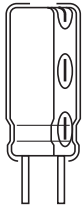
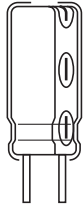
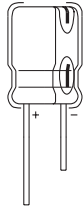
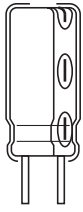
| PRODUCT DESCRIPTION | TYPE | CAPACITANCE RANGE (μF) | VOLTAGE (V) | TEMPERATURE RATING (°C) | | TOLERANCE (± %) | DIMENSIONS (mm) | |
|--|------|------------------------|-------------|-------------------------|------|-----------------|-----------------|---------|
| | | | | MIN. | MAX. | | CASE LENGTH | CASE Ø |
| Aluminum Capacitors SOLDER PIN TYPE Useful life: 5000h/105°C | EYZ | 10000 - 150000 | 10 | - 40 | 105 | 20 | 30 - 105 | 25 - 40 |
| | EYZ | 6800 - 100000 | 16 | - 40 | 105 | 20 | 30 - 105 | 25 - 40 |
| | EYZ | 4700 - 68000 | 25 | - 40 | 105 | 20 | 30 - 105 | 25 - 40 |
| | EYZ | 2200 - 33000 | 40 | - 40 | 105 | 20 | 30 - 105 | 25 - 40 |
| | EYZ | 1000 - 15000 | 63 | - 40 | 105 | 20 | 30 - 105 | 25 - 40 |
| | EYZ | 470 - 6800 | 100 | - 40 | 105 | 20 | 30 - 105 | 25 - 40 |
| | EYZ | 150 - 2200 | 200 | - 40 | 105 | 20 | 30 - 105 | 25 - 40 |
| | EYZ | 100 - 1500 | 250 | - 40 | 105 | 20 | 30 - 105 | 25 - 40 |
| | EYZ | 68 - 1000 | 385 | - 40 | 105 | 20 | 30 - 105 | 25 - 40 |
| | EYZ | 68 - 1000 | 400 | - 40 | 105 | 20 | 30 - 105 | 25 - 40 |
| Aluminum Capacitors SOLDER LUG TYPE Useful life: 12000h/85°C | EYK | 4700 - 47000 | 16 | - 40 | 85 | 20 | 40 - 105 | 25 - 40 |
| | EYK | 6800 - 68000 | 25 | - 40 | 85 | 20 | 40 - 105 | 25 - 40 |
| | EYK | 4700 - 47000 | 40 | - 40 | 85 | 20 | 40 - 105 | 25 - 40 |
| | EYK | 3300 - 22000 | 63 | - 40 | 85 | 20 | 40 - 105 | 25 - 40 |
| | EYK | 1000 - 10000 | 100 | - 40 | 85 | 20 | 40 - 105 | 25 - 40 |
| Aluminum Capacitors SOLDER LUG TYPE Useful life: 15000h/85°C | EY | 4700 - 47000 | 16 | - 40 | 85 | -10 to 30 | 40 - 105 | 25 - 40 |
| | EY | 3300 - 33000 | 25 | - 40 | 85 | -10 to 30 | 40 - 105 | 25 - 40 |
| | EY | 2200 - 22000 | 40 | - 40 | 85 | -10 to 30 | 40 - 105 | 25 - 40 |
| | EY | 1500 - 15000 | 63 | - 40 | 85 | -10 to 30 | 40 - 105 | 25 - 40 |
| | EY | 680 - 6800 | 100 | - 40 | 85 | -10 to 30 | 40 - 105 | 25 - 40 |
| Aluminum Capacitors SCREW TERMINAL Useful life ≤100V: 12000h/85°C Useful life > 100V: 5000h/85°C | EYE | 47000 - 470000 | 10 | - 40 | 85 | 20 | 60 - 105 | 35 - 76 |
| | EYE | 33000 - 330000 | 16 | - 40 | 85 | 20 | 60 - 105 | 35 - 76 |
| | EYE | 22000 - 22000 | 25 | - 40 | 85 | 20 | 60 - 105 | 35 - 76 |
| | EYE | 15000 - 150000 | 40 | - 40 | 85 | 20 | 60 - 105 | 35 - 76 |
| | EYE | 6800 - 68000 | 63 | - 40 | 85 | 20 | 60 - 105 | 35 - 76 |
| | EYE | 3300 - 33000 | 100 | - 40 | 85 | 20 | 60 - 105 | 35 - 76 |
| | EYE | 470 - 6800 | 250 | - 40 | 85 | 20 | 60 - 105 | 35 - 76 |
| | EYE | 330 - 3300 | 350 | - 40 | 85 | 20 | 60 - 105 | 35 - 76 |
| | EYE | 220 - 3300 | 385 | - 40 | 85 | 20 | 60 - 105 | 35 - 76 |
| | EYE | 220 - 3300 | 400 | - 40 | 85 | 20 | 60 - 105 | 35 - 76 |

| PRODUCT DESCRIPTION | TYPE | CAPACITANCE RANGE (μF) | VOLTAGE (V) | TEMPERATURE RATING (°C) | | TOLERANCE (± %) | DIMENSIONS (mm) | |
|--|------|------------------------|-------------|-------------------------|------|-----------------|-----------------|---------|
| | | | | MIN. | MAX. | | CASE LENGTH | CASE Ø |
| Aluminum Capacitors SCREW TERMINAL Useful life ≤100V: 10000h/85°C Useful life > 100V: 5000h/85°C | EYM | 15000 - 330000 | 10 | - 40 | 85 | -10 to 30 | 50 - 114 | 35 - 76 |
| | EYM | 15000 - 330000 | 16 | - 40 | 85 | -10 to 30 | 50 - 144 | 35 - 76 |
| | EYM | 10000 - 220000 | 25 | - 40 | 85 | -10 to 30 | 50 - 144 | 35 - 76 |
| | EYM | 6800 - 150000 | 40 | - 40 | 85 | -10 to 30 | 50 - 144 | 35 - 76 |
| | EYM | 4700 - 100000 | 50 | - 40 | 85 | -10 to 30 | 50 - 144 | 35 - 76 |
| | EYM | 3300 - 68000 | 63 | - 40 | 85 | -10 to 30 | 50 - 144 | 35 - 76 |
| | EYM | 2200 - 47000 | 100 | - 40 | 85 | -10 to 30 | 50 - 144 | 35 - 76 |
| | EYM | 470 - 10000 | 160 | - 40 | 85 | -10 to 30 | 50 - 114 | 35 - 76 |
| | EYM | 470 - 10000 | 200 | - 40 | 85 | -10 to 30 | 50 - 144 | 35 - 76 |
| | EYM | 330 - 6800 | 250 | - 40 | 85 | -10 to 30 | 50 - 144 | 35 - 76 |
| | EYM | 220 - 4700 | 350 | - 40 | 85 | -10 to 30 | 50 - 144 | 35 - 76 |
| | EYM | 220 - 4700 | 385 | - 40 | 85 | -10 to 30 | 50 - 144 | 35 - 76 |
| | EYM | 220 - 4700 | 400 | - 40 | 85 | -10 to 30 | 50 - 144 | 35 - 76 |
| | EYM | 150 - 3300 | 450 | - 40 | 85 | -10 to 30 | 50 - 144 | 35 - 76 |
| Aluminum Capacitors SCREW TERMINAL Useful life ≤385V: Useful life > 400V: 12000h/85°C | EYP | 15000 - 22000 | 10 | - 40 | 85 | -10 to 30 | 60 - 105 | 35 - 76 |
| | EYP | 10000 - 150000 | 16 | - 40 | 85 | -10 to 30 | 60 - 105 | 35 - 76 |
| | EYP | 4700 - 100000 | 25 | - 40 | 85 | -10 to 30 | 60 - 105 | 35 - 76 |
| | EYP | 3300 - 68000 | 40 | - 40 | 85 | -10 to 30 | 60 - 105 | 35 - 76 |
| | EYP | 2200 - 47000 | 63 | - 40 | 85 | -10 to 30 | 60 - 105 | 35 - 76 |
| | EYP | 1000 - 22000 | 100 | - 40 | 85 | -10 to 30 | 60 - 105 | 35 - 76 |
| | EYP | 330 - 4700 | 250 | - 40 | 85 | -10 to 30 | 60 - 105 | 35 - 76 |
| | EYP | 220 - 3300 | 350 | - 40 | 85 | -10 to 30 | 60 - 105 | 35 - 76 |
| | EYP | 150 - 2200 | 385 | - 40 | 85 | -10 to 30 | 60 - 105 | 35 - 76 |
| | EYP | 150 - 2200 | 400 | - 40 | 85 | -10 to 30 | 60 - 105 | 35 - 76 |
| | EYP | 150 - 2200 | 450 | - 40 | 85 | -10 to 30 | 60 - 105 | 35 - 76 |

TERMINATION STYLES FOR ALUMINUM CAPACITORS

| | | | | | | | |
|--|--|------------------------------------|--|---|--|---------------------------------------|--|
| Radial EKF, EKH, EKA, EKO, EKOU, EKB, EKS, EKSU, EKI, EKL, EKE, EKC, EKX, EKV | | Solder Pins EGD, EGCD | | Solder Pins EYD, EYV, EYZ | | Snap-in EYN, EYC, EYH | |
| Axial ELM / EBM / EGM, EL / EB / EG, EBU, EBC / EGC, EBL / EGL, EBT, EBR | | Solder Lugs EYK, EY | | Screw Terminals EYE, EYM, EYP | | | |
| S.M.D. ECA, ECV, ECB | | | | | | | |

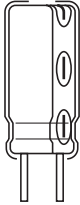
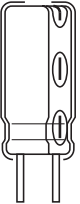


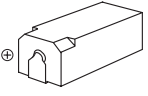
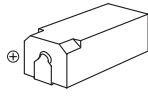
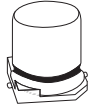
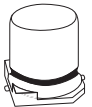
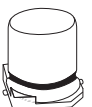
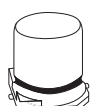
| PRODUCT DESCRIPTION | TYPE | CASE CODE | RATED VOLTAGE (V) | NOMINAL CAPACITANCE (μF) | RIPPLE CURRENT | LEAKAGE CURRENT | TANGENT OF LOSS | MAX. ESR 100K-300kHz |
|--|------|-----------|-------------------|--------------------------|----------------|-----------------|-----------------|----------------------|
| Aluminum Capacitors Radial Type Large Capacitance, Miniaturized Solid Electrolyte  | 94SA | C | 20 - 6.3 | 15 - 47 | 1200 - 1430 | 6 - 5.92 | 0.06 - 0.07 | 90 - 60 |
| | 94SA | D | 20 - 10 | 33 - 68 | 1710 - 2000 | 13.2 - 13.6 | 0.06 - 0.07 | 70 - 50 |
| | 94SA | E | 20 - 6.3 | 47 - 150 | 2450 - 2780 | 18.8 - 18.9 | 0.06 - 0.07 | 40 - 30 |
| | 94SA | F | 20 - 6.3 | 100 - 330 | 3210 - 3500 | 40 - 41.58 | 0.06 - 0.07 | 30 - 25 |
| | 94SA | G | 16 | 470 | 6080 | 300.8 | 0.08 | 20 |
| | 94SA | H | 16 - 6.3 | 1000 - 2200 | 9750 - 9750 | 640 - 554.4 | 0.09 - 0.13 | 15 - 15 |
| Aluminum Capacitors Radial Type Standard Solid Electrolyte  | 94SC | A | 30 - 6.3 | 1 - 6.8 | 430 - 560 | 1 - 0.5 | 0.03 - 0.05 | 350 - 250 |
| | 94SC | B | 30 - 6.3 | 1.5 - 15 | 435 - 815 | 1 - 0.95 | 0.03 - 0.05 | 300 - 120 |
| | 94SC | C | 30 - 6.3 | 3.3 - 33 | 820 - 1320 | 1.98 - 2.08 | 0.03 - 0.05 | 200 - 70 |
| | 94SC | D | 30 - 10 | 4.7 - 47 | 1300 - 2020 | 2.82 - 4.7 | 0.04 - 0.06 | 120 - 60 |
| | 94SC | E | 30 - 25 | 10 - 22 | 1380 - 2330 | 6 - 5.5 | 0.06 - 0.06 | 110 - 40 |
| | 94SC | F | 25 - 30 | 33 - 22 | 2900 - 1830 | 8.25 - 13.2 | 0.06 - 0.06 | 35 - 80 |
| Aluminum Capacitors Radial Type Low Profile, 5 mm Solid Electrolyte  | 94SL | A | 25 - 6.3 | 1 - 6.8 | 430 - 560 | 0.50 - 0.86 | 0.05 - 0.06 | 450 - 350 |
| | 94SL | B | 25 - 6.3 | 2.2 - 15 | 695 - 815 | 1.10 - 1.89 | 0.05 - 0.06 | 250 - 120 |
| | 94SL | C | 25 - 10 | 4.7 - 47 | 1130 - 1430 | 2.35 - 9.4 | 0.06 - 0.06 | 100 - 70 |
| | 94SL | E | 25 - 4 | 15 - 150 | 1400 - 2000 | 7.50 - 12 | 0.07 - 0.07 | 75 - 60 |
| | 94SL | F | 25 - 4 | 22 - 220 | 1600 - 2400 | 11.00 - 17.6 | 0.07 - 0.07 | 70 - 55 |
| Aluminum Capacitors Radial Type Long Life Solid Electrolyte  | 94SH | A | 25 - 6.3 | 1 - 6.8 | 430 - 560 | 0.5 - 0.86 | 0.03 - 0.05 | 350 - 250 |
| | 94SH | B | 25 - 6.3 | 2.2 - 15 | 695 - 815 | 1.1 - 1.89 | 0.03 - 0.05 | 200 - 120 |
| | 94SH | C | 25 - 6.3 | 4.7 - 47 | 1130 - 1430 | 2.35 - 5.92 | 0.03 - 0.07 | 100 - 60 |
| | 94SH | D | 25 - 10 | 15 - 68 | 1650 - 2000 | 7.5 - 13.6 | 0.04 - 0.07 | 70 - 50 |
| | 94SH | E | 20 - 6.3 | 47 - 150 | 2450 - 2780 | 18.8 - 18.9 | 0.06 - 0.07 | 40 - 30 |
| | 94SH | F | 20 - 6.3 | 100 - 330 | 3210 - 3500 | 40 - 41.58 | 0.06 - 0.07 | 30 - 25 |

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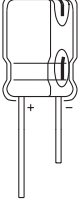
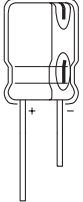


| PRODUCT DESCRIPTION | TYPE | CASE CODE | RATED VOLTAGE (V) | NOMINAL CAPACITANCE (μF) | RIPPLE CURRENT | LEAKAGE CURRENT | TANGENT OF LOSS | MAX. ESR 100K-300kHz |
|---|------|----------------|-------------------|--------------------------|----------------|-----------------|-----------------|--|
| Aluminum Capacitors Radial Type Miniaturized Solid Electrolyte  | 94SS | A | 20 - 6.3 | 2.2 - 15 | 450 - 560 | 2.2 - 4.73 | 0.05 - 0.06 | 400 - 350 |
| | 94SS | B | 20 - 6.3 | 4.7 - 33 | 720 - 780 | 4.7 - 10.4 | 0.05 - 0.05 | 250 - 150 |
| | 94SS | C | 20 - 4 | 10 - 68 | 1150 - 1430 | 10 - 13.6 | 0.06 - 0.06 | 100 - 70 |
| | 94SS | D | 20 - 4 | 47 - 150 | 1830 - 2100 | 47 - 30 | 0.06 - 0.08 | 60 - 40 |
| | 94SS | E | 20 - 6.3 | 100 - 220 | 2740 - 3000 | 100 - 69.3 | 0.07 - 0.07 | 30 - 30 |
| | 94SS | F | 20 - 4 | 150 - 470 | 3200 - 3500 | 150 - 94 | 0.07 - 0.07 | 30 - 25 |
| Aluminum Capacitors Radial Type Large Capacitance, Low ESR Solid Electrolyte  | 94SP | C' | 20 - 4 | 22 - 100 | 1580 - 1850 | 44 - 40 | 0.06 - 0.06 | 50 - 40 |
| | 94SP | E' | 20 - 4 | 47 - 220 | 2210 - 2510 | 94 - 88 | 0.07 - 0.07 | 36 - 28 |
| | 94SP | F' | 20 - 4 | 68 - 330 | 2800 - 3230 | 136 - 132 | 0.07 - 0.07 | 34 - 24 |
| | 94SP | C | 20 - 4 | 33 - 120 | 1710 - 1930 | 66 - 48 | 0.07 - 0.07 | 45 - 35 |
| | 94SP | E | 20 - 4 | 120 - 560 | 3110 - 4080 | 200 - 224 | 0.08 - 0.08 | 24 - 14 |
| | 94SP | F | 20 - 4 | 180 - 820 | 4280 - 5040 | 360 - 328 | 0.08 - 0.08 | 20 - 12 |
| | 94SP | F ₀ | 4 | 1500 | 6500 | 600 | 0.10 | 10 |
| | 94SP | G | 4 | 2200 | 7100 | 880 | 0.12 | 10 |
| Aluminum Capacitors Miniature, Solvent Resistant construction (through 100 WVDC) | 515D | | 0.1 - 18,000 | ± 20% | 6.3 - 450 | | | Termination: 2 radial leads High CV per case size Low profile ratings |
| | 516D | | 0.47 - 10,000 | ± 20% | 6.3 - 450 | | | Termination: 2 axial leads High CV per case size |
| | 517D | | 0.47 - 15,000 | ± 20% | 6.3 - 250 | | | Termination: 2 radial leads High CV per case size High temperature operation to 105° |

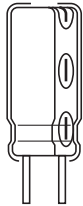


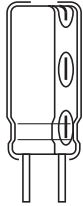
| PRODUCT DESCRIPTION | TYPE | TEMPERATURE RANGE (°C) | USEFUL LIFE (HOURS) | VOLTAGE (V) | CAPACITANCE RANGE (µF) |
|---|----------------|------------------------|---------------------|-------------|------------------------|
| Aluminum Capacitors SMD Horizontal Standard  | 085 CS | -40/+85 | 1500 | 6.3 | 10 - 22 |
| 10 | | | | 6.8 - 15 | |
| 16 | | | | 4.7 - 10 | |
| 25 | | | | 3.3 - 6.8 | |
| 40 | | | | 2.2 - 4.7 | |
| 63 | | | | 0.47 - 3.3 | |
| Aluminum Capacitors SMD Horizontal Long life  | 139 CLL | -55/+105°C | 2000 | 6.3 | 100 - 220 |
| 10 | | | | 68 - 150 | |
| 16 | | | | 47 - 100 | |
| 25 | | | | 10 - 47 | |
| 40 | | | | 15 - 33 | |
| 50 | | | | 10 - 22 | |
| 63 | | | | 2.2 - 10 | |
| 100 | 1.0 - 4.7 | | | | |
| Aluminum Capacitors SMD Vertical Long life  | 153 CLV | -55/+105°C | 2000 to 3000 | 6.3 | 22 - 1000 |
| 10 | | | | 33 - 680 | |
| 16 | | | | 10 - 470 | |
| 25 | | | | 33 - 330 | |
| 35 | | | | 4.7 - 220 | |
| 50 | | | | 0.47 - 100 | |
| 63 | | | | 47 - 100 | |
| 100 | 10 - 33 | | | | |
| Aluminum Capacitors SMD Vertical Very low impedance  | 150 CLZ | -55/+105°C | 2500 to 3000 | 6.3 | 470 - 1000 |
| 10 | | | | 330 - 1000 | |
| 16 | | | | 220 - 680 | |
| 25 | | | | 150 - 470 | |
| 35 | | | | 100 - 330 | |
| 50 | | | | 68 - 220 | |
| 63 | | | | 33 - 100 | |
| Aluminum Capacitors SMD Vertical High temperature  | 140 CLH | -55/+125°C | 1500 | 6.3 | 330 - 680 |
| 10 | | | | 220 - 470 | |
| 16 | | | | 150 - 330 | |
| 25 | | | | 100 - 220 | |
| 35 | | | | 68 - 150 | |
| 50 | | | | 47 - 100 | |
| 63 | 22 - 68 | | | | |
| Aluminum Capacitors SMD Vertical High temperature Solid electrolytic  | 175 TMP | -55/+125°C | 20000 | 4.0 | 68 - 330 |
| 6.3 | | | | 33 - 220 | |
| 10 | | | | 15 - 150 | |
| 16 | | | | 10 - 100 | |
| 20 | | | | 6.8 - 68 | |
| 25 | | 1.0 - 47 | | | |
| -55/+175°C | | 2000 | 4.0 | 68 - 330 | |
| | | | 6.3 | 33 - 220 | |
| | | | 10 | 15 - 150 | |
| | | | 16 | 1.0 - 100 | |

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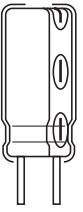
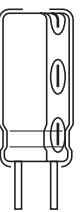
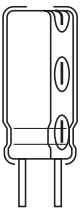
| PRODUCT DESCRIPTION | TYPE | TEMPERATURE RANGE (°C) | USEFUL LIFE (HOURS) | VOLTAGE (V) | CAPACITANCE RANGE (μF) |
|--|------------------|------------------------|---------------------|-------------|------------------------|
| Aluminum Capacitors Radial low profile 5mm  | 134 RLP 5 | -40/+85 | 1500 | 6.3 | 22 - 100 |
| 10 | | | | 33 | |
| 16 | | | | 10 - 47 | |
| 25 | | | | 3.3 - 33 | |
| 35 | | | | 2.2 - 22 | |
| 50 | | | | 1.0 - 10 | |
| Aluminum Capacitors Radial low profile 7mm  | 097 RLP 7 | -40/+85 | 1500 | 6.3 | 22 - 220 |
| 10 | | | | 33 - 100 | |
| 16 | | | | 10 - 100 | |
| 25 | | | | 33 - 47 | |
| 35 | | | | 4.7 - 33 | |
| 50 | | | | 3.3 - 22 | |
| 100 | 1-680 | | | | |
| Aluminum Capacitors Radial Standard ultra miniature  | 038 RSU | -40/+85 | 2500 to 3500 | 6.3 | 220 - 22000 |
| 10 | | | | 100 - 10000 | |
| 16 | | | | 100 - 10000 | |
| 25 | | | | 100 - 6800 | |
| 35 | | | | 47 - 4700 | |
| 50 | | | | 22 - 3300 | |
| 63 | | | | 0.1 - 2200 | |
| 100 | 0.47 - 1000 | | | | |
| Aluminum Capacitors Radial Standard miniature  | 037 RSM | -40/+85 | 2500 | 6.3 | 330 - 10000 |
| 10 | | | | 100 - 6800 | |
| 16 | | | | 68 - 4700 | |
| 25 | | | | 47 - 3300 | |
| 35 | | | | 33 - 2200 | |
| 40 | | | | 150 - 1000 | |
| 50 | | | | 10 - 1000 | |
| 63 | | | | 0.47 - 1000 | |
| 100 | 0.47 - 470 | | | | |

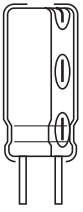
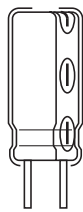
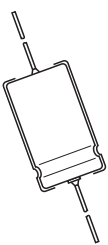

| PRODUCT DESCRIPTION | TYPE | TEMPERATURE RANGE (°C) | USEFUL LIFE (HOURS) | VOLTAGE (V) | CAPACITANCE RANGE (µF) |
|---|----------------|------------------------|---------------------|--------------|------------------------|
| Aluminum Capacitors Radial Standard high voltage  | 044 RSH | -40/+85 | 3000 | 160 | 10 - 100 |
| 200 | | | | 4.7 - 100 | |
| 250 | | | | 1.0 - 47 | |
| 350 | | | | 2.2 - 47 | |
| 400 | | | | 1.0 - 22 | |
| -25/+85 | | | | 450 | 1.0 - 22 |
| Aluminum Capacitors Radial Low Leakage Current  | 013 RLC | -40/+85(105) | 3000 (750) | 6.3 | 330 - 470 |
| 10 | | | | 47 - 220 | |
| 16 | | | | 33 - 100 | |
| 25 | | | | 1.0 - 47 | |
| 35 | | | | 33 - 100 | |
| 50 | | | | 0.47 - 68 | |
| Aluminum Capacitors Radial Semi-professional  | 036 RSP | -55/+85(105) | 3000 (750) | 6.3 | 100 - 330 |
| 10 | | | | 47 - 470 | |
| 16 | | | | 33 - 330 | |
| 25 | | | | 68 - 220 | |
| 35 | | | | 22 - 150 | |
| 40 | | | | 15 - 68 | |
| 50 | | | | 10 - 100 | |
| 63 | | | | 0.47 - 68 | |
| 100 | 10 - 22 | | | | |
| 160 | 2.2 - 4.7 | | | | |
| Aluminum Capacitors Radial Ultra high CV  | 148 RUS | -40/+105 | 2000 to 3000 | 6.3 | 2200 - 22000 |
| 10 | | | | 1000 - 15000 | |
| 16 | | | | 680 - 10000 | |
| 25 | | | | 470 - 6800 | |
| 35 | | | | 330 - 4700 | |
| 50 | | | | 220 - 3300 | |
| 63 | | | | 100 - 2200 | |
| 100 | 47 - 470 | | | | |

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| PRODUCT DESCRIPTION | TYPE | TEMPERATURE RANGE (°C) | USEFUL LIFE (HOURS) | VOLTAGE (V) | CAPACITANCE RANGE (µF) |
|--|----------------|------------------------|---------------------|--|--|
| Aluminum Capacitors Radial Long life  | 116 RLL | -55/+105 | 2000 | 6.3 10 16 25 35 40 50 63 100 | 150 -470 100 -330 68 -220 47 -150 33 -100 33 -100 0.47 - 68 10 - 22 2.2 - 10 |
| Aluminum Capacitors Radial Miniature long life  | 048 RML | -40/+105 | 3000 to 4000 | 6.3 10 16 25 35 40 50 63 | 6800 - 10000 1000 - 10000 470 - 10000 470 - 4700 220 - 4700 2200 - 3300 220 - 3300 100 - 2200 |
| Aluminum Capacitors Radial Miniature high voltage  | 152 RMH | -40/+105 | 3000 to 4000 | 200 250 400 450 | 10 - 220 10 - 100 4.7 - 100 4.7 - 47 |
| Aluminum Capacitors Radial Very low impedance  | 136 RVI | -55/+105 | 4000 to 10000 | 10 16 25 35 50 63 100 | 390 - 10000 270 - 6800 180 - 4700 120 - 3300 82 - 2200 47 - 1500 22 - 680 |

| PRODUCT DESCRIPTION | TYPE | TEMPERATURE RANGE (°C) | USEFUL LIFE (HOURS) | VOLTAGE (V) | CAPACITANCE RANGE (µF) |
|---|----------------|------------------------|---------------------|-------------|------------------------|
| Aluminum Capacitors Radial Miniature Low impedance  | 150 RMI | -55/+105 | 4000 to 10000 | 10 | 680 - 6800 |
| 16 | | | | 470 - 6800 | |
| 25 | | | | 330 - 4700 | |
| 35 | | | | 220 - 2200 | |
| 50 | | | | 150 - 1500 | |
| 63 | | | | 100 - 1000 | |
| Aluminum Capacitors Radial Miniature High temperature  | 140 RTM | -55/+125 | 2500 to 4000 | 6.3 | 1200 - 2200 |
| 10 | | | | 330 - 4700 | |
| 16 | | | | 220 - 4700 | |
| 25 | | | | 220 - 3300 | |
| 35 | | | | 100 - 2200 | |
| 50 | | | | 47 - 1000 | |
| 63 | 22 - 1000 | | | | |
| Aluminum Capacitors Axial Ultra miniature diameter 3.3mm  | 117 ASD | -40/+85 | 2000 | 6.3 | 10 - 22 |
| 10 | | | | 6.8 | |
| 16 | | | | 4.7 - 10 | |
| 25 | | | | 3.3 - 6.8 | |
| 40 | | | | 2.2 - 4.7 | |
| 63 | | | | 0.47 - 3.3 | |
| Aluminum Capacitors Axial Standard  | 021 ASM | -40/+85(105) | 2500-8000 | 6.3 | 470-2200 |
| 10 | | | | 100-15000 | |
| 16 | | | | 68-10000 | |
| 25 | | | | 47-6800 | |
| 40 | | | | 22-4700 | |
| 63 | | | | 0.47-2200 | |
| 100 | 1-1000 | | | | |

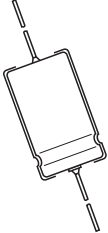
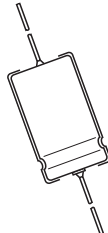

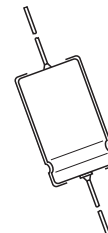
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| PRODUCT DESCRIPTION | TYPE | TEMPERATURE RANGE (°C) | USEFUL LIFE (HOURS) | VOLTAGE (V) | CAPACITANCE RANGE (µF) |
|--|-------------------|------------------------|---------------------|-------------|------------------------|
| Aluminum Capacitors Axial Standard  | 024 AMR | -40/+105 | 4500 | 6.3 | 3300-47000 |
| | | | | 10 | 2200-47000 |
| | | | | 16 | 2200-33000 |
| | | | | 25 | 1000-22000 |
| | | | | 40 | 680-15000 |
| | | | | 50 | 680-10000 |
| | | | | 63 | 330-6800 |
| | | | | 100 | 220-3300 |
| | 025 AMR | -40/+85 | 3000 | 160 | 100-1000 |
| | | | | 200 | 100-1000 |
| | | | | 250 | 47-680 |
| | | | | 350 | 33-330 |
| | | | | 385 | 22-330 |
| | | | | 400 | 22-330 |
| | | | | 450 | 22-220 |
| | 030/031 AS | -40/+85 | 11500-3000 | 6.3 | 10 - 1000 |
| | | | | 10 | 47 - 680 |
| | | | | 16 | 4.7 - 470 |
| | | | | 25 | 10 - 330 |
| | | | | 40 | 2.2 - 220 |
| | | | | 63 | 1.0 - 100 |
| | | | | 100 | 0.47 - 47 |
| | 022 ASR | -40/+105 | 2000 | 6.3 | 2200-33000 |
| | | | | 10 | 1500-22000 |
| | | | | 16 | 1500-22000 |
| | | | | 25 | 680-15000 |
| | | | | 40 | 470-10000 |
| 50 | | | | 330-6800 | |
| 63 | | | | 220-4700 | |
| 023 ASR | -40/+85 | 5000 | 100 | 100-2200 | |
| | | | 160 | 47-680 | |
| | | | 250 | 22-470 | |
| | | | 350 | 47-330 | |
| | | | 385 | 10-220 | |
| | | | 400 | 15-220 | |
| 041-043 ASH | -40/+85 | 5000-15000 | 450 | 10-220 | |
| | | | 500 | 10-150 | |
| | | | 160 | 4.7-220 | |
| | -25/+85 | 5000-10000 | 250 | 2.2-100 | |
| | | | 350 | 4.7-68 | |
| | | | 385 | 1-68 | |
| 400 | 6.8-68 | | | | |
| 450 | 6.8-68 | | | | |

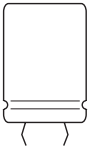
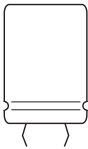
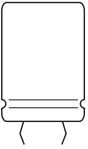



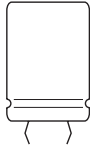
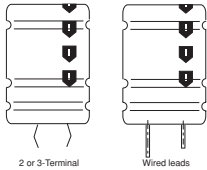
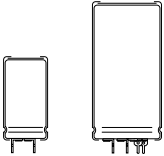
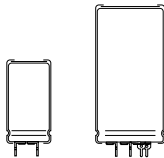
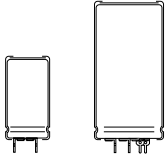
| PRODUCT DESCRIPTION | TYPE | TEMPERATURE RANGE (°C) | USEFUL LIFE (HOURS) | VOLTAGE (V) | CAPACITANCE RANGE (µF) |
|---|------------------------|------------------------|---------------------|-------------|------------------------|
| Aluminum Capacitors Axial Lighting ballast  | 042/043 AMH-ELB | -25/+85 | 20000 | 450 | 6,8-33 |
| | 042/043 AHH-ELB | -25/+105 | 10000 | 450 | 6,8-33 |
| Aluminum Capacitors Axial Standard  | 138 AML | -40/+105 | 2000-10000 | 6.3 | 100-2200 |
| | | | | 10 | 150-15000 |
| | 118 AHT | -55(-40)/+125 | 4000-8000 | 16 | 22-10000 |
| | | | | 25 | 10-6800 |
| | | | | 40 | 33-3300 |
| | | | | 50 | 10-100 |
| | | | | 63 | 4.7-1500 |
| | | | | 100 | 1-680 |
| | | | | 6.3 | 1000-15000 |
| | | | | 10 | 220-10000 |
| | | | | 16 | 220-6800 |
| | | | | 25 | 100-4700 |
| | | | | 40 | 47-2200 |
| | | | | 63 | 1-1000 |
| | | | | 100 | 4.7-470 |
| | | | | 200 | 2.2-100 |
| Aluminum Capacitors Axial Standardized Case Sizes  | 119 AHT-DIN | -55/+125 | 4000-8000 | 10 | 100-4700 |
| | | | | 16 | 47-4700 |
| | | | | 25 | 22-2200 |
| | | | | 40 | 47-2200 |
| | | | | 63 | 10-1000 |
| | | | | 100 | 4.7-470 |
| | | | | 200 | 4.7-10 |
| | | | | | |
| Aluminum Capacitors Axial Automotive Low Impedance  | 120 ATC | -40/+125 | 8000 | 16 | 680-6800 |
| | | | | 25 | 470-4700 |
| | | | | 40 | 220-1000 |
| | | | | 63 | 100-1000 |
| | | | | 100 | 47-470 |

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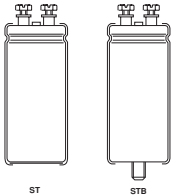
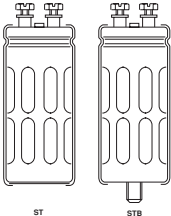
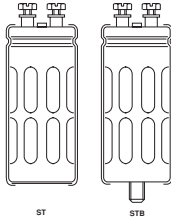
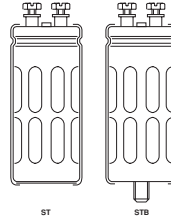
| PRODUCT DESCRIPTION | TYPE | TEMPERATURE RANGE (°C) | USEFUL LIFE (HOURS) | VOLTAGE (V) | CAPACITANCE RANGE (µF) |
|---|----------------|------------------------|---------------------|-------------|------------------------|
| Aluminum Capacitors Snap in High CV / volume  | 156 PUM-SI | -40/+85 | 5000 | 10 | 10000-100000 |
| | | | | 16 | 6800-68000 |
| | | | | 25 | 4700-47000 |
| | | | | 40 | 2700-27000 |
| | | | | 50 | 2200-22000 |
| | | | | 63 | 1500-15000 |
| | | | | 80 | 1000-12000 |
| | 100 | 680-8200 | | | |
| | 157 PUM-SI | -40/+85 | 5000 | 200 | 270-2200 |
| | | | | 250 | 220-1500 |
| 400 | | | | 68-820 | |
| 450 | 56-680 | | | | |
| Aluminum Capacitors Snap in High ripple current  | 198 PHR-SI | -25/+85 | 15000 | 400 | 56-680 |
| | | | | 450 | 56-680 |
| | | | | 400 | 56-680 |
| | | | | 450 | 56-680 |
| Aluminum Capacitors Snap in Standard  | 056/057 PSM-SI | -40/+85 | 12000 | 10 | 6800-68000 |
| | | | | 16 | 4700-47000 |
| | | | | 25 | 3300-33000 |
| | | | | 40 | 2200-22000 |
| | | | | 50 | 1500-15000 |
| | | | | 63 | 1000-10000 |
| | | | | 100 | 470-47000 |
| | | | | 200 | 150-1500 |
| | | | | 250 | 100-1000 |
| | 385 | 47-470 | | | |
| | 400 | 47-470 | | | |
| | 450 | 47-330 | | | |
| | 197 PGP-SI | -25/+85 | 2000 | 160 | 150-1800 |
| | | | | 200 | 150-1500 |
| | | | | 250 | 150-1200 |
| 400 | | | | 68-680 | |
| 450 | | | | 56-470 | |
| 450 | | | | 56-470 | |
| Aluminum Capacitors Snap in High CV / volume  | 158 PUL-SI | -40/+105 | 5000 | 16 | 5600-47000 |
| | | | | 25 | 3700-33000 |
| | | | | 40 | 2200-18000 |
| | | | | 50 | 1500-12000 |
| | | | | 63 | 1200-10000 |
| | | | | 80 | 820-6800 |
| | | | | 100 | 560-4700 |
| | 159 PUL-SI | -40/+105 | 5000 | 200 | 330-1800 |
| | | | | 250 | 220-1200 |
| | | | | 400 | 68-680 |
| 450 | 56-560 | | | | |

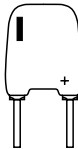
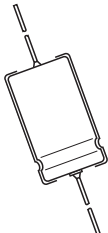
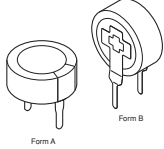
| PRODUCT DESCRIPTION | TYPE | TEMPERATURE RANGE (°C) | USEFUL LIFE (HOURS) | VOLTAGE (V) | CAPACITANCE RANGE (µF) | |
|---|-----------------------|------------------------|---------------------|--|--|---|
| Aluminum Capacitors Snap in Standard  | 058/059 PLL-SI | -40/+105 | 5000 | 10 16 25 40 50 63 100 | 4700-47000 3300-33000 2200-22000 1500-15000 1000-10000 680-6800 330-3300 | |
| | | -40/+105 | 10000 | 200 250 385 400 | 100-1000 68-680 33-330 47-330 | |
| Aluminum Capacitors Snap in Automotive Low Impedance  | 100 PTR-SI | -40/+125 | 5000 | 25 | 2200-10000 | |
| | | | | 40 | 1500-6800 | |
| | | | | 50 63 | 1200-5600 680-2700 | |
| Aluminum Capacitors DIN-PW Standard  | 050/052 PED-PW | -40/+85 | 15000 | 10 16 25 40 63 100 250 385 400 | 4700-68000 3300-47000 2200-33000 1500-22000 1000-15000 470-6800 100-1000 47-470 47-680 | |
| Aluminum Capacitors DIN-PW High CV / volume  | | | | 10 16 25 40 63 100 200 385 400 | 10000-150000 6800-100000 4700-68000 3300-47000 2200-22000 680-10000 150-2200 68-1000 68-1000 | |
| | | | | Aluminum Capacitors DIN-PW Standard  | 10 16 25 40 63 100 200 250 385 400 | 10000-150000 6800-100000 4700-68000 2200-33000 1500-15000 470-6800 150-2200 100-1500 68-1000 68-1000 |

Aluminum Capacitors

Vishay



| PRODUCT DESCRIPTION | TYPE | TEMPERATURE RANGE (°C) | USEFUL LIFE (HOURS) | VOLTAGE (V) | CAPACITANCE RANGE (µF) |
|--|----------------|------------------------|---------------------|---|---|
| Aluminum Capacitors Screw terminal Standard  | 111/112 PER-ST | -40/+85 | 10000 | 10 16 25 40 50 63 100 160 200 250 | 22000-330000 22000-330000 15000-220000 10000-150000 6800-100000 4700-68000 3300-47000 680-10000 470-10000 470-6800 |
| | | -40/+85 | 5000 | 350 385 400 450 | 330-4700 330-4700 330-4700 220-3300 |
|  | 154/155 PEC-ST | -40/+85 | 12000 | 10 16 25 40 63 100 200 250 350 385 | 47000-680000 33000-470000 22000-330000 15000-220000 6800-100000 3300-47000 470-10000 470-10000 330-6800 220-3300 |
| | | -40/+85 | 5000 | 400 450 | 220-6800 220-4700 |
| Aluminum Capacitors Screw terminal High ripple current  | 114/115 PED-ST | -40/+85 | 20000 | 10 16 25 40 63 100 250 350 385 | 15000-220000 10000-150000 4700-100000 3300-68000 2200-47000 1000-22000 330-4700 220-3300 150-2200 |
| | | -40/+85 | 12000 | 400 | 150-2200 |
| Aluminum Capacitors Screw terminal Standard  | 105 PLL-ST | -40/+105 | 5000 | 10 16 25 40 63 | 47000-470000 33000-330000 15000-220000 10000-150000 3300-68000 |
| | | -40/+105 | 3500 | 100 | 2200-33000 |

| PRODUCT DESCRIPTION | TYPE | TEMPERATURE RANGE (°C) | USEFUL LIFE (HOURS) | VOLTAGE (V) | CAPACITANCE RANGE (µF) |
|---|--------------------|------------------------|---------------------|-------------|------------------------|
| Aluminum Capacitors Solid  | 128 SAL-RPM | -55/+125 | 20000 | 6.3 | 10-68 |
| | | | | 10 | 4.7-47 |
| | | | | 16 | 2.2-22 |
| | | | | 25 | 0.68-10 |
| | | | | 35 | 0.33-3.3 |
| | | | | 40 | 0.1-2.2 |
| Aluminum Capacitors Solid  | 123 SAL-A | -55/+125 | 20000 | 6.3 | 47-1500 |
| | | | | 10 | 33-1000 |
| | | | | 16 | 10-680 |
| | | | | 25 | 10-330 |
| | | | | 35 | 1-150 |
| | | | | 40 | 2.2-100 |
| Aluminum Capacitors Energy Storage (Double Layer)  | 196 DLC | -25/+70 | 1000 | 5.5 | 0.047 - 1.0 |
| | | | | 6.3 | 0.047 - 0.68 |
| | | | | 5.5 | 0,047 - 0.68 |