

Kingtronics®

GKT-CA

Aluminum Electrolytic Capacitor – Screw

FEATURES

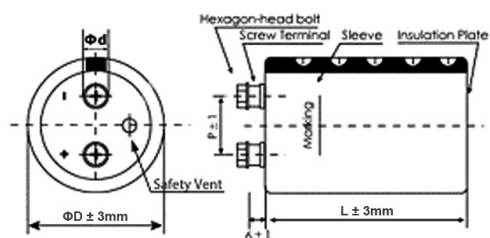
- ◆ Load life of 2000 hours at 85°C
- ◆ Miniaturized
- ◆ High ripple current
- ◆ Used for computers, communication powers and inverters



SPECIFICATIONS

| | | |
|---|---|--|
| OPERATING TEMPERATURE RANGE (°C) | -40°C ~ +85°C | -25°C ~ +85°C |
| Voltage Range (V) | 10~250 | 350~500 |
| CAPACITANCE TOLERANCE (25°C, 120Hz) | ±20% | |
| LEAKAGE CURRENT (µA) | 0.02CV or 5mA whichever is smaller. (25°C, after 5 minutes) C: Nominal Capacitance (µF) V: Rated Voltage (V) | |
| DISSIPATION FACTOR | See Standard Ratings Table | |
| LOAD LIFE (+85°C) | Time | 2000hours |
| | Leakage Current | Not more than the specified value. |
| | Capacitance Change | Within±20% of the initial value |
| | Dissipation Factor | Not more than 200% of the specified value. |
| SHELF LIFE (+85°C) | Time | 1000hours |
| | Leakage Current | Not more than the specified value. |
| | Capacitance Change | Within±20% of the initial value |
| | Dissipation Factor | Not more than 200% of the specified value. |
| After test: U _R to be applied for 60 minutes, 24 to 48 hours before measurement. | | |

DIMENSIONS (mm)



| | | | | | |
|----|----|----|------|----|----|
| ΦD | 36 | 51 | 63.5 | 78 | 89 |
| F | 13 | 22 | 28 | 32 | 32 |

| | | |
|----|-----|-------|
| ΦD | 36 | 51~90 |
| Φd | 8.0 | 10.0 |

MULTIPLIER FOR RIPPLE CURRENT

| Frequency Coefficient | | | | | | | | | |
|-----------------------|------------------|------|-----|------|------|------|------|------|-------|
| Frequency(Hz) | Rated Voltage(V) | 50 | 120 | 300 | 1K | 3K | 5K | 10K | 20K |
| 10 ~ 50 | 10 ~ 50 | 0.95 | 1 | 1.04 | 1.10 | 1.12 | 1.13 | 1.15 | 1.15 |
| 63 ~ 100 | 63 ~ 100 | 0.95 | 1 | 1.06 | 1.16 | 1.20 | 1.25 | 1.30 | 1.363 |
| 160 ~ 200 | 160 ~ 200 | 0.90 | 1 | 1.10 | 1.20 | 1.35 | 1.40 | 1.50 | 1.55 |
| 250 ~ 450 | 250 ~ 450 | 0.80 | 1 | 1.10 | 1.20 | 1.35 | 1.40 | 1.50 | 1.55 |

| Temperature Coefficient | | | | | |
|-------------------------|------------------|-----|-----|-----|-----|
| Temperature(°C) | Rated Voltage(V) | +40 | +55 | +70 | +85 |
| 10 ~ 100 | 10 ~ 100 | 2.1 | 1.8 | 1.5 | 1 |
| 160 ~ 450 | 160 ~ 450 | 2.6 | 2.2 | 1.7 | 1 |

CASE CODE

| ΦD \ L | 53 | 63 | 72 | 80 | 90 | 100 | 115 | 120 | 130 | 140 | 160 |
|--------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 36 | A5 | A6 | A7 | A8 | A9 | A10 | A11 | A12 | -- | -- | -- |
| 51 | -- | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | -- | -- |
| 63.5 | -- | -- | D7 | D8 | D9 | D10 | D11 | D12 | D13 | D14 | -- |
| 76 | -- | -- | -- | E8 | E9 | E10 | E11 | E12 | E13 | E14 | E16 |
| 89 | -- | -- | -- | F8 | F9 | F10 | F11 | F12 | F13 | F14 | F16 |

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Aluminum Electrolytic Capacitor – Screw

STANDARD RATINGS

| Rated Voltage (V.DC) | Surge Voltage (V.DC) | Rated Capacitance (μ F) | Dissipation Factor MAX | Ripple Current 85°C 120Hz | Outline Size | |
|-------------------------|-------------------------|---------------------------------|---------------------------|------------------------------|--------------|----------|
| | | | | | Code | ØDxL(mm) |
| 10 | 13 | 33000 | 0.80 | 4.3 | A5 | 36x53 |
| | | 39000 | 0.80 | 4.7 | A5 | 36x53 |
| | | 47000 | 0.80 | 5.2 | A6 | 36x65 |
| | | 56000 | 0.80 | 6.1 | A8 | 36x83 |
| | | 68000 | 0.80 | 6.7 | A8 | 36x83 |
| | | 82000 | 0.80 | 7.7 | A10 | 36x100 |
| | | 100000 | 0.80 | 8.8 | A10 | 36x100 |
| | | 120000 | 0.80 | 10.0 | A12 | 36x121 |
| | | 150000 | 1.00 | 10.8 | A12 | 36x121 |
| | | 180000 | 1.00 | 12.0 | C10R | 51x96 |
| | | 220000 | 1.50 | 11.2 | C12 | 51x121 |
| | | 270000 | 1.50 | 12.8 | C12 | 51x121 |
| | | 330000 | 1.50 | 15.3 | D10R | 64x96 |
| | | 390000 | 1.50 | 17.3 | D12R | 64x115 |
| | | 470000 | 2.00 | 16.7 | D13R | 64x130 |
| | | 560000 | 2.00 | 19.0 | E12R | 77x115 |
| 680000 | 2.00 | 21.7 | E13R | 77x130 | | |
| 820000 | 2.00 | 24.7 | E16R | 77x155 | | |
| 16 | 20 | 22000 | 0.60 | 4.1 | A5 | 36x53 |
| | | 27000 | 0.60 | 4.5 | A5 | 36x53 |
| | | 33000 | 0.60 | 5.0 | A5 | 36x53 |
| | | 39000 | 0.60 | 5.9 | A6 | 36x65 |
| | | 47000 | 0.60 | 6.4 | A8 | 36x83 |
| | | 56000 | 0.60 | 7.3 | A8 | 36x83 |
| | | 68000 | 0.60 | 8.4 | A10 | 36x100 |
| | | 82000 | 0.80 | 8.3 | A10 | 36x100 |
| | | 100000 | 0.80 | 9.5 | A12 | 36x121 |
| | | 120000 | 0.80 | 10.9 | A12 | 36x121 |
| | | 150000 | 1.00 | 11.3 | C10R | 51x96 |
| | | 180000 | 1.00 | 12.8 | C12R | 51x115 |
| | | 220000 | 1.00 | 15.3 | C13R | 51x130 |
| | | 270000 | 1.00 | 17.6 | D10R | 64x96 |
| | | 330000 | 1.50 | 16.8 | D12R | 64x115 |
| | | 390000 | 1.50 | 18.3 | D13R | 61x130 |
| 470000 | 1.50 | 21.3 | E12R | 77x115 | | |
| 560000 | 1.50 | 23.6 | E13R | 77x130 | | |
| 680000 | 1.50 | 27.6 | E16R | 77x115 | | |
| 820000 | 2.00 | 27.1 | F16R | 90x157 | | |
| 25 | 32 | 15000 | 0.50 | 3.7 | A5 | 36x53 |
| | | 18000 | 0.50 | 4.1 | A5 | 36x53 |
| | | 22000 | 0.50 | 4.5 | A5 | 36x53 |
| | | 27000 | 0.50 | 5.0 | A6 | 36x65 |
| | | 33000 | 0.50 | 5.9 | A8 | 36x83 |
| | | 39000 | 0.50 | 6.7 | A8 | 36x83 |
| | | 47000 | 0.50 | 7.7 | A10 | 36x100 |
| | | 56000 | 0.60 | 7.9 | A10 | 36x100 |
| | | 68000 | 0.60 | 9.1 | A12 | 36x121 |
| | | 82000 | 0.60 | 10.4 | A12 | 36x121 |
| | | 100000 | 0.80 | 10.3 | C10R | 51x96 |
| | | 120000 | 0.80 | 11.7 | C12R | 51x115 |
| | | 150000 | 0.80 | 14.1 | C13R | 51x130 |
| | | 180000 | 0.80 | 15.7 | D10R | 64x96 |
| | | 220000 | 1.00 | 16.1 | D12R | 64x115 |
| | | 270000 | 1.00 | 18.6 | D13R | 64x130 |
| 330000 | 1.00 | 21.9 | D16R | 64x155 | | |
| 390000 | 1.20 | 22.0 | E12R | 77x115 | | |
| 470000 | 1.20 | 25.6 | E16R | 77x115 | | |
| 560000 | 1.20 | 27.9 | F13R | 90x131 | | |
| 680000 | 1.20 | 32.5 | F16R | 90x157 | | |

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STANDARD RATINGS

| Rated Voltage (V.DC) | Surge Voltage (V.DC) | Rated Capacitance (µF) | Dissipation Factor MAX | Ripple Current 85°C 120Hz | Outline Size | |
|-------------------------|-------------------------|---------------------------|---------------------------|------------------------------|--------------|----------|
| | | | | | Code | ØDxL(mm) |
| 35 | 44 | 10000 | 0.40 | 3.4 | A5 | 36x53 |
| | | 12000 | 0.40 | 3.7 | A5 | 36x53 |
| | | 15000 | 0.40 | 4.2 | A6 | 36x65 |
| | | 18000 | 0.40 | 4.9 | A8 | 36x83 |
| | | 22000 | 0.40 | 5.7 | A8 | 36x83 |
| | | 27000 | 0.40 | 6.3 | A10 | 36x100 |
| | | 33000 | 0.40 | 7.2 | A10 | 36x100 |
| | | 39000 | 0.50 | 7.3 | A12 | 36x121 |
| | | 47000 | 0.50 | 8.7 | C10R | 51x96 |
| | | 56000 | 0.60 | 8.6 | C10R | 51x96 |
| | | 68000 | 0.60 | 9.8 | C12R | 51x115 |
| | | 82000 | 0.60 | 11.6 | D10R | 64x96 |
| | | 100000 | 0.60 | 13.3 | D12R | 64x115 |
| | | 120000 | 0.60 | 14.8 | D12 | 64x121 |
| | | 150000 | 0.80 | 14.9 | D13R | 64x130 |
| | | 180000 | 0.80 | 17.0 | E12R | 77x115 |
| | | 220000 | 0.80 | 20.0 | E13R | 77x130 |
| | | 270000 | 1.00 | 20.3 | E16R | 77x155 |
| | | 330000 | 1.00 | 23.5 | F13R | 90x131 |
| | | 390000 | 1.00 | 26.4 | F16R | 90x157 |
| 470000 | 1.00 | 29.6 | F16R | 90x157 | | |
| 50 | 63 | 5600 | 0.30 | 3.0 | A5 | 36x53 |
| | | 6800 | 0.30 | 3.3 | A5 | 36x53 |
| | | 8200 | 0.30 | 3.6 | A5 | 36x53 |
| | | 10000 | 0.30 | 4.0 | A6 | 36x65 |
| | | 12000 | 0.30 | 4.7 | A8 | 36x83 |
| | | 15000 | 0.30 | 5.5 | A8 | 36x83 |
| | | 18000 | 0.30 | 6.2 | A10 | 36x100 |
| | | 22000 | 0.40 | 6.3 | A12 | 36x121 |
| | | 27000 | 0.40 | 7.1 | A12 | 36x121 |
| | | 33000 | 0.40 | 8.2 | C10R | 51x96 |
| | | 39000 | 0.50 | 8.1 | C10R | 51x96 |
| | | 47000 | 0.50 | 9.3 | C12R | 51x115 |
| | | 56000 | 0.50 | 10.5 | D10R | 64x96 |
| | | 68000 | 0.50 | 12.0 | D10R | 64x96 |
| | | 82000 | 0.50 | 13.7 | D12R | 64x115 |
| | | 100000 | 0.60 | 14.7 | E12R | 77x115 |
| | | 120000 | 0.60 | 16.7 | E12 | 77x115 |
| | | 150000 | 0.60 | 19.3 | E13R | 77x130 |
| | | 180000 | 0.60 | 21.9 | E16R | 77x155 |
| | | 220000 | 0.60 | 21.4 | F13R | 90x131 |
| 270000 | 0.60 | 24.6 | F16R | 90x157 | | |
| 63 | 79 | 3900 | 0.25 | 2.7 | A5 | 36x53 |
| | | 4700 | 0.25 | 3.0 | A5 | 36x53 |
| | | 5600 | 0.25 | 3.3 | A5 | 36x53 |
| | | 6800 | 0.25 | 3.6 | A6 | 36x65 |
| | | 8200 | 0.25 | 4.3 | A8 | 36x83 |
| | | 10000 | 0.25 | 4.9 | A8 | 36x83 |
| | | 12000 | 0.25 | 5.6 | A10 | 36x100 |
| | | 15000 | 0.30 | 5.9 | A10 | 36x100 |
| | | 18000 | 0.30 | 6.7 | A12 | 36x121 |
| | | 22000 | 0.30 | 7.8 | A12 | 36x121 |
| | | 27000 | 0.40 | 7.4 | C10R | 51x96 |
| | | 33000 | 0.40 | 8.4 | C10R | 51x96 |
| | | 39000 | 0.40 | 9.5 | C12R | 51x115 |
| | | 47000 | 0.40 | 11.3 | C13R | 51x130 |
| | | 56000 | 0.40 | 12.8 | D12R | 64x115 |
| | | 68000 | 0.50 | 12.7 | D12 | 64x121 |
| | | 82000 | 0.50 | 14.5A5 | D13R | 64x130 |
| | | 100000 | 0.50 | 16.7 | E12R | 77x115 |
| | | 120000 | 0.50 | 18.9 | E13R | 77x130 |
| | | 150000 | 0.50 | 22.4 | E16R | 77x155 |
| 180000 | 0.60 | 22.4 | F13R | 90x131 | | |
| 220000 | 0.60 | 26.2 | F16R | 90x157 | | |

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STANDARD RATINGS

| Rated Voltage (V.DC) | Surge Voltage (V.CD) | Rated Capacitance (µF) | Dissipation Factor MAX | Ripple Current 85°C 120Hz | Outline Size | |
|-------------------------|-------------------------|---------------------------|---------------------------|---------------------------------|--------------|----------|
| | | | | | Code | ØDxL(mm) |
| 80 | 100 | 3300 | 0.25 | 2.5 | A5 | 36x53 |
| | | 3900 | 0.25 | 2.8 | A5 | 36x53 |
| | | 4700 | 0.25 | 3.0 | A6 | 36x65 |
| | | 5600 | 0.25 | 3.6 | A8 | 36x83 |
| | | 6800 | 0.25 | 3.9 | A8 | 36x83 |
| | | 8200 | 0.25 | 4.5 | A8 | 36x83 |
| | | 10000 | 0.25 | 5.2 | A10 | 36x100 |
| | | 12000 | 0.25 | 5.9 | A10 | 36x100 |
| | | 15000 | 0.25 | 6.8 | A12 | 36x121 |
| | | 18000 | 0.25 | 7.8 | A12 | 36x121 |
| | | 22000 | 0.30 | 8.0 | C10R | 51x96 |
| | | 27000 | 0.30 | 9.2 | C10R | 51x96 |
| | | 33000 | 0.30 | 10.5 | C12R | 51x115 |
| | | 39000 | 0.30 | 12.0 | C13R | 51x130 |
| | | 47000 | 0.30 | 13.6 | D12R | 64x115 |
| | | 56000 | 0.40 | 13.4 | D13R | 64x130 |
| | | 68000 | 0.40 | 15.4 | E12R | 77x115 |
| | | 82000 | 0.40 | 17.5 | E13R | 77x130 |
| 100000 | 0.40 | 20.5 | E16R | 77x155 | | |
| 120000 | 0.40 | 22.4 | F13R | 90x131 | | |
| 150000 | 0.40 | 26.5 | F16R | 90x157 | | |
| 100 | 125 | 1800 | 0.25 | 1.9 | A5 | 36x53 |
| | | 2200 | 0.25 | 2.1 | A5 | 36x53 |
| | | 2700 | 0.25 | 2.3 | A5 | 36x53 |
| | | 3300 | 0.25 | 2.6 | A6 | 36x65 |
| | | 3900 | 0.25 | 3.0 | A8 | 36x83 |
| | | 4700 | 0.25 | 3.5 | A8 | 36x83 |
| | | 5600 | 0.25 | 3.9 | A10 | 36x100 |
| | | 6800 | 0.25 | 4.5 | A10 | 36x100 |
| | | 8200 | 0.25 | 5.1 | A12 | 36x121 |
| | | 10000 | 0.25 | 5.9 | A12 | 36x121 |
| | | 12000 | 0.25 | 6.4 | C8R | 51x75 |
| | | 15000 | 0.25 | 7.0 | C10R | 51x96 |
| | | 18000 | 0.25 | 8.3 | C12R | 51x115 |
| | | 22000 | 0.25 | 10.0 | C13R | 51x130 |
| | | 27000 | 0.25 | 11.5 | D12R | 64x115 |
| | | 33000 | 0.25 | 11.9 | D13R | 64x130 |
| | | 39000 | 0.25 | 13.4 | E12R | 77x115 |
| | | 47000 | 0.35 | 14.2 | E13R | 77x130 |
| 56000 | 0.35 | 16.0 | E16R | 77x155 | | |
| 68000 | 0.35 | 18.8 | F13R | 90x131 | | |
| 82000 | 0.35 | 20.5 | F16R | 90x157 | | |
| 100000 | 0.35 | 24.0 | F17R | 90x171 | | |
| 160 | 200 | 3300 | 0.25 | 5.18 | A12 | 36x121 |
| | | 3900 | 0.25 | 5.33 | C8R | 51x75 |
| | | 4700 | 0.25 | 5.85 | C8R | 51x75 |
| | | 5600 | 0.25 | 7.03 | C10R | 51x96 |
| | | 6800 | 0.25 | 7.77 | C10R | 51x96 |
| | | 8200 | 0.25 | 9.14 | C12R | 51x115 |
| | | 10000 | 0.25 | 10.36 | D10R | 64x96 |
| | | 12000 | 0.25 | 11.32 | D10R | 64x96 |
| | | 15000 | 0.25 | 14.28 | D13R | 64x130 |
| | | 18000 | 0.25 | 15.61 | D13R | 64x130 |
| | | 22000 | 0.25 | 18.28 | E13R | 77x130 |
| | | 27000 | 0.25 | 20.24 | E13R | 77x130 |
| 33000 | 0.25 | 23.75 | E13R | 90x131 | | |
| 39000 | 0.25 | 27.86 | F16R | 90x157 | | |
| 200 | 250 | 2200 | 0.25 | 3.92 | A10 | 36x100 |
| | | 2700 | 0.25 | 4.70 | A12 | 36x121 |
| | | 3300 | 0.25 | 4.92 | C8R | 51x75 |
| | | 3900 | 0.25 | 5.33 | C8R | 51x75 |
| | | 4700 | 0.25 | 6.44 | C10R | 51x96 |
| | | 5600 | 0.25 | 7.55 | C12R | 51x115 |
| | | 6800 | 0.25 | 8.77 | C13R | 51x130 |
| | | 8200 | 0.25 | 9.40 | D10R | 64x96 |
| | | 10000 | 0.25 | 10.36 | D10R | 64x96 |
| | | 12000 | 0.25 | 12.06 | E10R | 77x96 |
| | | 15000 | 0.25 | 14.43 | E10R | 77x96 |
| | | 18000 | 0.25 | 16.50 | E13R | 77x130 |
| 22000 | 0.25 | 19.61 | E16R | 77x155 | | |
| 27000 | 0.25 | 21.51 | F13R | 90x131 | | |
| 33000 | 0.25 | 25.53 | F16R | 90x157 | | |

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Aluminum Electrolytic Capacitor – Screw

STANDARD RATINGS

| Rated Voltage (V.DC) | Surge Voltage (V.DC) | Rated Capacitance (µF) | Dissipation Factor MAX | Ripple Current 85°C 120Hz | Outline Size | |
|-------------------------|-------------------------|---------------------------|---------------------------|------------------------------|--------------|----------|
| | | | | | Code | ØDxL(mm) |
| 250 | 300 | 1500 | 0.25 | 3.22 | A10 | 36x100 |
| | | 1800 | 0.25 | 3.52 | A10 | 36x100 |
| | | 2200 | 0.25 | 4.00 | C8R | 51x75 |
| | | 2700 | 0.25 | 4.44 | C8R | 51x75 |
| | | 3300 | 0.25 | 5.40 | C10R | 51x96 |
| | | 3900 | 0.25 | 6.29 | C12R | 51x115 |
| | | 4700 | 0.25 | 7.10 | D10R | 64x96 |
| | | 5600 | 0.25 | 7.77 | D10R | 64x96 |
| | | 6800 | 0.25 | 9.14 | D12R | 64x115 |
| | | 8200 | 0.25 | 10.03 | D12R | 64x115 |
| | | 10000 | 0.25 | 11.66 | D13R | 64x130 |
| | | 12000 | 0.25 | 12.88 | E12R | 77x115 |
| | | 15000 | 0.25 | 15.10 | E13R | 77x130 |
| | | 18000 | 0.25 | 17.69 | E16R | 77x155 |
| 350 | 400 | 22000 | 0.25 | 20.91 | F16R | 90x157 |
| | | 390 | 0.20 | 1.67 | A5 | 36x53 |
| | | 470 | 0.20 | 2.15 | A8 | 36x83 |
| | | 560 | 0.20 | 2.37 | A8 | 36x83 |
| | | 680 | 0.20 | 2.59 | A8 | 36x83 |
| | | 820 | 0.20 | 3.07 | A10 | 36x100 |
| | | 1000 | 0.20 | 3.41 | A10 | 36x100 |
| | | 1200 | 0.20 | 3.81 | C8R | 51x75 |
| | | 1500 | 0.20 | 4.26 | C8R | 51x75 |
| | | 1800 | 0.20 | 5.14 | C10R | 51x96 |
| | | 2200 | 0.20 | 5.70 | C10R | 51x96 |
| | | 2700 | 0.20 | 7.14 | C13R | 51x130 |
| | | 3300 | 0.20 | 7.92 | C13R | 51x130 |
| | | 3900 | 0.20 | 9.00 | D12R | 64x115 |
| | | 4700 | 0.20 | 10.33 | D13R | 64x130 |
| | | 5600 | 0.20 | 11.36 | E12R | 77x115 |
| | | 6800 | 0.20 | 13.10 | E13R | 77x130 |
| | | 8200 | 0.20 | 15.43 | F16R | 77x155 |
| 400 | 450 | 10000 | 0.20 | 18.13 | F16R | 90x157 |
| | | 12000 | 0.20 | 20.02 | F16R | 90x157 |
| | | 15000 | 0.20 | 24.50 | F20R | 90x196 |
| | | 18000 | 0.20 | 28.83 | F24R | 90x236 |
| | | 330 | 0.20 | 1.52 | A5 | 36x53 |
| | | 390 | 0.20 | 1.96 | A8 | 36x83 |
| | | 470 | 0.20 | 2.15 | A8 | 36x83 |
| | | 560 | 0.20 | 2.37 | A8 | 36x83 |
| | | 680 | 0.20 | 2.82 | A10 | 36x100 |
| | | 820 | 0.20 | 3.07 | A10 | 36x100 |
| | | 1000 | 0.20 | 3.48 | C8R | 51x75 |
| | | 1200 | 0.20 | 3.82 | C8R | 51x75 |
| | | 1500 | 0.20 | 4.70 | C10R | 51x96 |
| | | 1800 | 0.20 | 5.15 | C10R | 51x96 |
| 400 | 450 | 2200 | 0.20 | 6.44 | C13R | 51x120 |
| | | 2700 | 0.20 | 6.96 | D10R | 64x96 |
| | | 3300 | 0.20 | 8.22 | D12R | 64x115 |
| | | 3900 | 0.20 | 9.40 | D13R | 64x130 |
| | | 4700 | 0.20 | 10.44 | E12R | 77x115 |
| | | 5600 | 0.20 | 11.92 | E13R | 77x130 |
| | | 6800 | 0.20 | 14.06 | E16R | 77x155 |
| | | 8200 | 0.20 | 16.43 | F16R | 90x157 |
| | | 10000 | 0.20 | 18.28 | F16R | 90x157 |
| | | 12000 | 0.20 | 21.84 | F20R | 90x196 |
| 450 | 500 | 15000 | 0.20 | 26.31 | F24R | 90x236 |
| | | 270 | 0.20 | 1.37 | A5 | 36x53 |
| | | 330 | 0.20 | 1.82 | A8 | 36x83 |
| | | 390 | 0.20 | 1.96 | A8 | 36x83 |
| | | 470 | 0.20 | 2.15 | A8 | 36x83 |
| | | 560 | 0.20 | 2.55 | A10 | 36x100 |
| | | 680 | 0.20 | 2.81 | A10 | 36x100 |
| | | 820 | 0.20 | 3.18 | C8R | 51x75 |
| | | 1000 | 0.20 | 3.48 | C8R | 51x75 |
| | | 1200 | 0.20 | 4.22 | C10R | 51x96 |
| | | 1500 | 0.20 | 5.07 | C12R | 51x115 |
| | | 1800 | 0.20 | 5.85 | C13R | 51x130 |
| | | 2200 | 0.20 | 6.29 | D10R | 64x96 |
| | | 2700 | 0.20 | 7.48 | D12R | 64x115 |
| | | 3300 | 0.20 | 8.66 | D13R | 64x130 |
| | | 3900 | 0.20 | 9.47 | E12R | 77x115 |
| | | 4700 | 0.20 | 10.88 | E13R | 77x130 |
| | | 5600 | 0.20 | 12.80 | E16R | 77x155 |
| 6800 | 0.20 | 15.00 | F16R | 90x157 | | |
| 8200 | 0.20 | 16.50 | F16R | 90x157 | | |
| 10000 | 0.20 | 20.00 | F20R | 90x196 | | |
| 12000 | 0.20 | 23.61 | F24R | 90x236 | | |

Kingtronics® International Company

Kingtronics®**GKT-CA**

Aluminum Electrolytic Capacitor – Screw

HOW TO ORDER

| GKT | CA | 0J | 0R1 | M | 00500110 | 020 | 000 | B | R |
|------------|------------|---------------|-------------|-----------------------|-----------------|------------|-------------|----------|----------|
| Series | Sub Series | Rated Voltage | Capacitance | Capacitance Tolerance | Dimension | Pitch/Pins | Lead Length | Packing | Pb |
| | | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. |

NOTE:**1. Rated Voltage**

| Code | 0J | 1A | 1C | 1D | 1E | 1V | 1G | 1H | 1J | 1K |
|---------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Voltage | 6.3V | 10V | 16V | 20V | 25V | 35V | 40V | 50V | 63V | 80V |

| Code | 2A | 2B | 2C | 2K | 2D | 2E | 2F | 2U | 2V | 2G | 2X | 2W | 2H | 2Y |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Voltage | 100V | 120V | 160V | 180V | 200V | 250V | 315V | 330V | 350V | 400V | 420V | 450V | 500V | 550V |

2. Capacitance

| Code | 0R1 | R22 | R33 | R47 | 010 | 2R2 | 3R3 | 4R7 | 100 | 220 | 330 | 470 | 101 |
|------------------|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Capacitance (µF) | 0.1 | 0.22 | 0.33 | 0.47 | 1 | 2.2 | 3.3 | 4.7 | 10 | 22 | 33 | 47 | 100 |

| Code | 221 | 271 | 331 | 391 | 471 | 561 | 681 | 102 | 222 | 332 | 472 | 103 | 223 |
|------------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|-------|-------|
| Capacitance (µF) | 220 | 270 | 330 | 390 | 470 | 560 | 680 | 1000 | 2200 | 3300 | 4700 | 10000 | 22000 |

3. Capacitance Tolerance

| Code | K | L | M | P | Q | R | T | U | V | H | F |
|-----------|------|------|------|---------|---------|--------|---------|---------|---------|--------|-------|
| Tolerance | ±10% | ±15% | ±20% | +100-0% | +30-10% | +20-0% | +50-10% | +75-10% | +20-10% | +20-5% | +30-0 |

4. Dimension

| Code | 00500110 | 00630120 | 01250200 | 01600300 | 03500450 |
|----------------|----------|----------|----------|----------|----------|
| Dimension (mm) | 5x11 | 6.3x12 | 12.5x20 | 16x30 | 35x45 |

5. Pitch/Pins

| Code | 020 | 025 | 035 | 050 | 075 | 100 | 127 | 4pins |
|-----------------|-----|-----|-----|-----|-----|------|------|-------|
| Pitch (mm)/Pins | 2.0 | 2.5 | 3.5 | 5.0 | 7.5 | 10.0 | 12.7 | 4PS |

6. Lead Length

| Code | 000 | 040 | 045 | 050 |
|-------------|----------|-----|-----|-----|
| Lead Length | Standard | 4.0 | 4.5 | 5.0 |

7. Packing

| Code | A | B |
|---------|------|------|
| Packing | Ammo | Bulk |

8. Pb

| Code | L | R |
|------|--------|------|
| Pb | Leaded | RoHS |

Note: Specifications are subject to change without notice.

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