

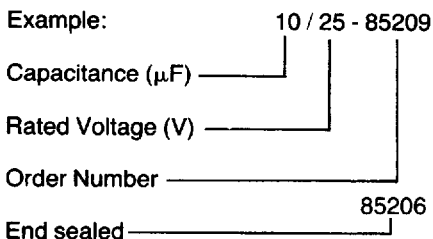
85209 Series General Purpose

(-40°C to +85°C) - 10%, +100% or - 10%, + 50% Capacitance Tolerance

A-05-11-01

SIEMENS AKTIENGESELLSCHAFT 47E D

Aluminum electrolytic capacitor with etched aluminum electrodes, encapsulated in aluminum case with external insulation. They are radial leaded, special for vertical mounting.

Ordering Code Example**General Specification**

IEC 384-4 Type GP and DIN 41332, Sheet 1

Climatic Category DIN

GPF (-40 to +85°C/Humidity Category F)
According to DIN 40040.

Climatic Category IEC

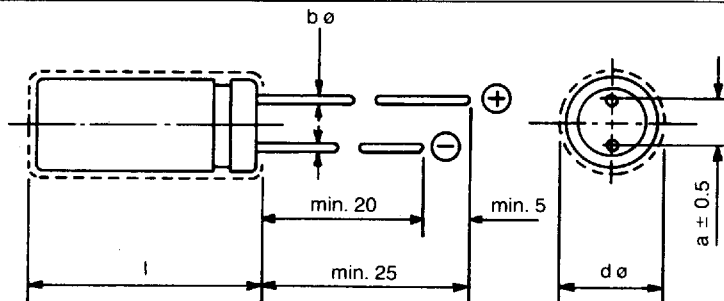
40/085/56

Life Test

- Conditions 2000h/ +85°C/UN or 500h/ +105°C/UN
- Evaluation:
- $\Delta C/C$: $\pm 25\%$ of initially measured value.
 - $+g\delta < 200\%$ of initially specified value.
 - $I_R <$ than initially specified value.

Storage Test

- Conditions 1000h/ +85°C/OV
- Evaluation:
- $\Delta C/C$: $\pm 25\%$ of initially measured value.
 - $+g\delta < 200\%$ of initially specified value.
 - $I_R <$ than initially specified value.



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| Rated Voltage | | 6.3 Vdc | 10 Vdc | 16 Vdc | 25 Vdc | 40 Vdc | 63 Vdc | 100 Vdc | 160 Vdc | 250 Vdc |
|-------------------------|--------|-----------------------|--------|--------|--------|--------|--------|---------|---------|---------|
| Rated Capacitance μF | Tol. | Mechanical Dimensions | | | | | | | | |
| | | 0.33 | | | | | | | | A |
| 0.47 | | | | | | | | A | B | C |
| 0.68 | | | | | | | | A | B | C |
| 1.0 | | | | | | | | A | B | C |
| 2.2 | | | | | | | A | B | C | D |
| 3.3 | | | | | | | A | B | C | D |
| 4.7 | | | | | | A | B | C | D | E |
| 6.8 | +100%, | | | | | A | B | C | D | E |
| 10 | -10% | | | | A | B | C | D | E | F |
| 22 | | | | A | B | C | D | E | F | G |
| 33 | | | | A | B | C | D | E | F | G |
| 47 | | A | | B | C | D | | E | G | I |
| 68 | | A | | B | C | D | E | F | G | I |
| 100 | | B | | C | D | | E | F | | |
| 220 | | C | | D | E | | F | H | | |
| 330 | | | D | | E | F | G | I | | |
| 470 | | | D | | E | F | G | H | | |
| 680 | | | E | | F | G | I | I | | |
| 1,000 | | E | | F | G | H | | | | |
| 2,200 | | F | G | H | I | | | | | |
| 3,300 | +50%, | G | H | I | | | | | | |
| 4,700 | -10% | H | I | | | | | | | |
| 6,800 | | I | | | | | | | | |

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| Size Code | Standard Sizes D x L inches (mm) | Maximum Sizes D _{max} x L _{max} (with insulation) inches (mm) | Lead Diameter inches (mm) | Lead Spacing (a) inches (mm) |
|-----------|---|---|---------------------------------|---------------------------------------|
| A | 0.197 x 0.433 (5.0 x 11.0) | 0.217 x 0.472 (5.5 x 12.0) | 0.079 (2.0) | 0.020 (0.5) |
| B | 0.248 x 0.433 (6.3 x 11.0) | 0.268 x 0.472 (6.8 x 12.0) | 0.098 (2.5) | 0.020 (0.5) |
| C | 0.315 x 0.492 (8.0 x 12.5) | 0.335 x 0.531 (8.5 x 13.5) | 0.138 (3.5) | 0.020 (0.5) |
| D | 0.394 x 0.492 (10.0 x 12.5) | 0.413 x 0.531 (10.5 x 13.5) | 0.197 (5.0) | 0.024 (0.6) |
| E | 0.394 x 0.787 (10.0 x 20.0) | 0.413 x 0.827 (10.5 x 21.0) | 0.197 (5.0) | 0.024 (0.6) |
| F | 0.492 x 0.984 (12.5 x 25.0) | 0.512 x 1.024 (13.0 x 26.0) | 0.197 (5.0) | 0.024 (0.6) |
| G | 0.630 x 0.984 (16.0 x 25.0) | 0.650 x 1.024 (16.5 x 26.0) | 0.295 (7.5) | 0.031 (0.8) |
| H | 0.630 x 1.240 (16.0 x 31.5) | 0.650 x 1.280 (16.5 x 32.5) | 0.295 (7.5) | 0.031 (0.8) |
| I | 0.709 x 1.240 (18.0 x 31.5) | 0.728 x 1.280 (18.5 x 32.5) | 0.295 (7.5) | 0.031 (0.8) |
| J | 0.709 x 1.378 (18.0 x 35.0) | 0.728 x 1.417 (18.5 x 36.0) | 0.295 (7.5) | 0.031 (0.8) |