# CAPACITOR SPECIFICATION

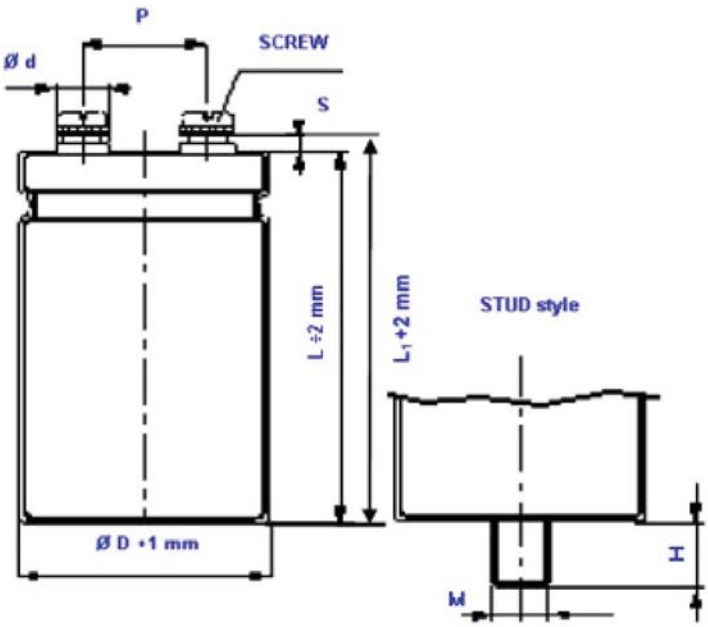
part number: **KI01063103__M0G079**

Stud and insert style excluded [*]

**Diagram of dimensions (unit = mm)** **51x79**

| ØD | d | P | M | H | SCREW |
|---|---|---|---|---|---|
| **35** | 11 | 12.7 | M8 | 12 | 5MA x 9.5 |
| **51** | 18.5 | 22.2 | M12 | 16 | 5MA x 9.5 |
| **63** | 18.5 | 28.6 | M12 | 16 | 5MA x 9.5 |
| **76** | 18.5 | 31.8 | M12 | 16 | 5MA x 9.5<br>6MA x 10 |
| **90** | 18.5 | 31.8 | M12 | 16 | 6MA x 10 |

| | | |
|---|---|---|
| **$L_1$** | L1 = L + 2.5 mm<br>L1 toll. -0+3mm | L1 = L + 4.5 mm<br>L1 toll. -1+3mm |
| **S** | M5= 5 -0+1mm<br>from top of deck | M6= 7 -1+1mm<br>from top of deck |




**Marking**

Type - Identification Code Lot

Rated capacitance (µF), Rated voltage (Vdc)

Negative polarity: gold row

RoHS

Product compliant to Directive 2002/95/EC

## ELECTRICAL PARAMETERS

| | | | |
|---|---|---|---|
| | Nominal Capacitance | 10000 | µF at 100 Hz |
| [*] | Tolerance Standard | M | = -20% +20% on request Q=-10%+30% |
| | Temperature range | ..... | -40°C to 85°C |
| | Rated Voltage / Surge Voltage | 63/72 | VDC |
| | Max Tan $\delta$ | 0.2 | at 100 Hz |
| | Typical ESR | 18 | mΩ at 100 Hz |
| | Typical Impedance Z | 16 | mΩ at 10 kHz |
| | Maximum Leakage Current | 3.78 | mA after 5 mins at 20°C |
| | Maximum Ripple Current | 10.1 | A rms at 85°C |
| | Useful Life | 12000 | hours at 85°C |
| | Reference Standards | CECC 30.300 IEC 384.4 Long Life Grade | |

When ambient temperature and ripple frequency are different from 85°C and 100 Hz, ripple current shall be multiplied by the following compensating factor:

| FREQUENCY | FACTOR |
|---|---|
| 50 Hz | 0.8 |
| 100 Hz | 1.0 |
| 500 Hz | 1.2 |
| 1000 Hz | 1.3 |
| >10 kHz | 1.5 |

| TEMPERATURE | FACTOR |
|---|---|
| 35°C | 2.2 |
| 45°C | 2.1 |
| 55°C | 1.8 |
| 65°C | 1.6 |
| 75°C | 1.4 |
| 85°C | 1.0 |
| 95°C | 0.5 |

*For further specifications: please consult our catalogue at www.kendeil-indfarad.com*