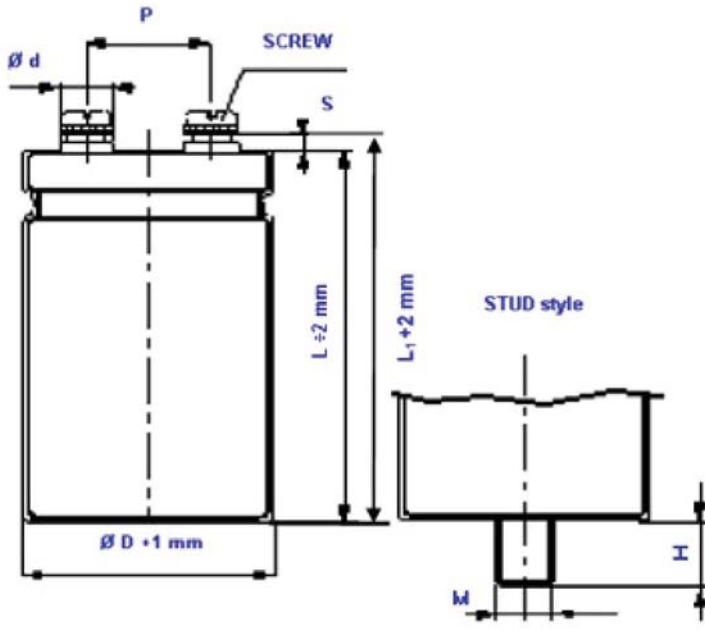



CAPACITOR SPECIFICATION

part number: **KI02160152__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 6MA x 10 | |
| 90 | 18.5 | 31.8 | M12 | 16 | 6MA x 10 | |
| L ₁ | L ₁ = L + 2.5 mm L ₁ toll. -0+3mm | | L ₁ = L + 4.5 mm L ₁ toll. -1+3mm | | | |
| S | M5= 5 -0+1mm from top of deck | | M6= 7 -1+1mm from top of deck | | | |
| Marking Type - Identification Code Lot Rated capacitance (µF), Rated voltage (Vdc) Negative polarity: gold row  Product compliant to Directive 2002/95/EC | | | | | | |

ELECTRICAL PARAMETERS

| | | |
|-------------------------------|---------------------------------------|-----------------------------------|
| Nominal Capacitance | 1500 | µF at 100 Hz |
| [*] Tolerance Standard | M | = -20% +20% on request Q=-10%+30% |
| Temperature range | | -40°C to 105°C |
| Rated Voltage / Surge Voltage | 160/184 | VDC |
| Max Tan δ | 0.11 | at 100 Hz |
| Typical ESR | 65 | mΩ at 100 Hz |
| Typical Impedance Z | 60 | mΩ at 10 kHz |
| Maximum Leakage Current | 0.72 | mA after 5 mins at 20°C |
| Maximum Ripple Current | 4.1 | A rms at 105°C |
| Useful Life | 15000 | 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 | TEMPERATURE | FACTOR |
|-----------|--------|-------------|--------|
| 50 Hz | 0.8 | 35°C | 3.0 |
| 100 Hz | 1.0 | 45°C | 2.8 |
| 500 Hz | 1.2 | 55°C | 2.6 |
| 1000 Hz | 1.3 | 65°C | 2.4 |
| >10 kHz | 1.5 | 75°C | 2.2 |
| | | 85°C | 1.8 |
| | | 95°C | 1.5 |
| | | 105°C | 1.0 |

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