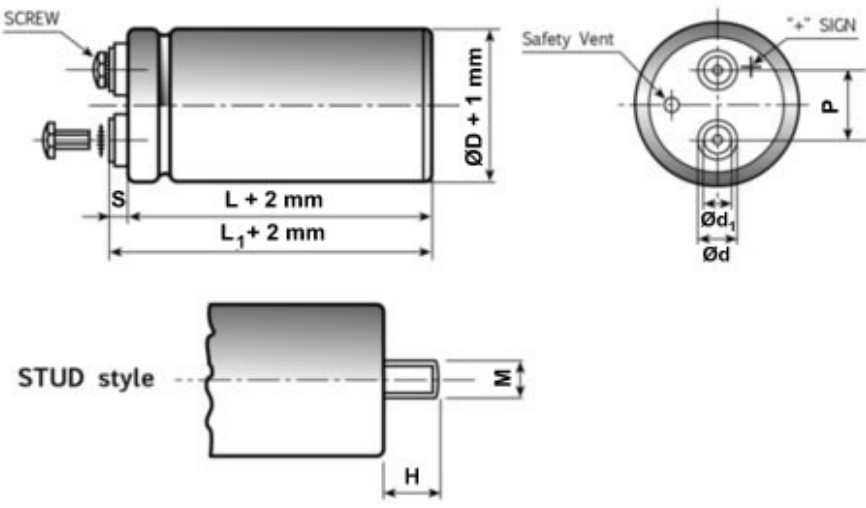


| Diagram of dimensions (unit = mm)  |                                   |      |                                       |    |           | 76X105 (ØD x L)  |
|--|-----------------------------------|------|---------------------------------------|----|-----------|--|
| ØD   | d                                 | 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 |  |
|  | 23.2                              | 31.8 | M12                                   |    | 6MA x 10  |  |
| 90   | 23.2                              | 31.8 | M12                                   | 16 | 6MA x 10  |  |
| L1   | L1 = L + 2.5mm<br>L1 toll. -0+3mm |      | L1 = L + 4.5 mm<br>L1 toll. -1 + 3 mm |    |           |  |
| S  | M5 = 5 -0+1mm<br>from top of deck |      | M6 = 7 -1+1mm<br>from top of deck     |    |           |  |
| <b>Marking</b>   |                                   |      |                                       |    |           |  |
| Type - Identification Code Lot<br>Rated capacitance (µF), Rated voltage (Vdc)<br>Negative polarity: gold row<br>Product compliant RoHS Directive |                                   |      |                                       |    |           |  |

## ELECTRICAL PARAMETERS

|                               |                                       |   |
|-------------------------------|---------------------------------------|---|
| Nominal Capacitance           | 8200                                  | 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 | 200/230                               | VDC   |
| Max Tang δ                    | 0.12                                  | at 100 Hz                                   |
| Typical ESR                   | 16                                    | mΩ at 100 Hz                                |
| Typical Impedance Z           | 14                                    | mΩ at 10 kHz                                |
| Maximum Leakage Current       | 6.00                                  | mA after 5 mins at 20°C                     |
| Maximum Ripple Current        | 14.80                                 | A rsm at 85°C                               |
| Useful Life                   | > 12000                               | hours at 85°C for Vr<=100V and for Vr>=500V |
| Useful Life                   | > 15000                               | hours at 85°C for 100V < Vr < 500V          |
| 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:

|                  |       |        |        |         |          |                    |      |      |      |      |      |      |      |
|------------------|-------|--------|--------|---------|----------|--------------------|------|------|------|------|------|------|------|
| <b>FREQUENCY</b> | 50 Hz | 100 Hz | 500 Hz | 1000 Hz | > 10 kHz | <b>TEMPERATURE</b> | 35°C | 45°C | 55°C | 65°C | 75°C | 85°C | 95°C |
| <b>FACTOR</b>    | 0.8   | 1.0    | 1.2    | 1.3     | 1.5      | <b>FACTOR</b>      | 2.2  | 2.1  | 1.8  | 1.6  | 1.4  | 1.0  | 0.5  |