



**THT, Radial E-Cap., For PSU, High Temperature, High Reliability withstanding 5000 hours load life at 125°C , Suitable for compact energy saving lamp, Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag**

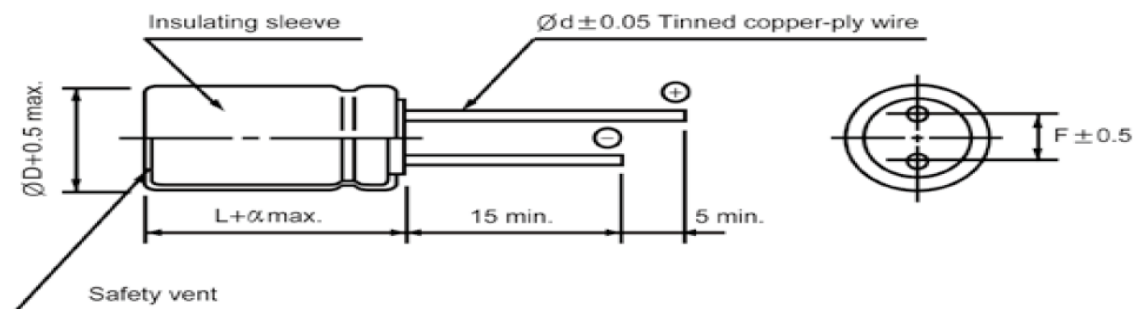
| Items                                                                       |                 |                                                                                                   | Performance Characteristics |      |      |      |      |                           |      |                                   |  |  |  |  |  |
|-----------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------|-----------------------------|------|------|------|------|---------------------------|------|-----------------------------------|--|--|--|--|--|
| Operating temperature range                                                 |                 | -25°C +125°C                                                                                      |                             |      |      |      |      |                           |      |                                   |  |  |  |  |  |
| Leakage current max.                                                        |                 |                                                                                                   |                             |      |      |      |      |                           |      |                                   |  |  |  |  |  |
|                                                                             |                 | I = 0,03CV + 15µA (CV ≤1000)                                                                      |                             |      |      |      |      |                           |      |                                   |  |  |  |  |  |
|                                                                             |                 | I = 0,02CV or 25µA(CV > 1000) (after 5 minutes)                                                   |                             |      |      |      |      |                           |      |                                   |  |  |  |  |  |
| Capacitance tolerance                                                       |                 | ±20% at 120Hz, 20°C                                                                               |                             |      |      |      |      |                           |      |                                   |  |  |  |  |  |
| Dissipation factor max.<br>(at 120Hz, 20°C)                                 |                 |                                                                                                   |                             |      |      |      |      |                           |      |                                   |  |  |  |  |  |
|                                                                             |                 | WV                                                                                                |                             | 160  | 200  | 250  | 350  | 400                       | 450  |                                   |  |  |  |  |  |
|                                                                             |                 | TanQ                                                                                              |                             | 0,15 | 0,15 | 0,15 | 0,20 | 0,24                      | 0,24 |                                   |  |  |  |  |  |
| Low temperature<br>characteristics (Impedance<br>ratio at 120Jz)            | WV              |                                                                                                   |                             | 160  | 200  | 250  | 350  | 400                       | 450  |                                   |  |  |  |  |  |
|                                                                             | Z-25°C / Z+20°C |                                                                                                   |                             | 3    | 3    | 3    | 6    | 6                         | 6    |                                   |  |  |  |  |  |
|                                                                             |                 |                                                                                                   |                             |      |      |      |      |                           |      |                                   |  |  |  |  |  |
| Load life ( after application of the<br>rated voltage for 5000hrs at 125°C) |                 | Leakage Current                                                                                   |                             |      |      |      |      | Less than specified Value |      |                                   |  |  |  |  |  |
|                                                                             |                 | Capacitance Change                                                                                |                             |      |      |      |      |                           |      | Within ±20% off initial Value     |  |  |  |  |  |
|                                                                             |                 | TanQ                                                                                              |                             |      |      |      |      |                           |      | Less than 200% of specified value |  |  |  |  |  |
|                                                                             |                 | 450WV :2000 hours                                                                                 |                             |      |      |      |      |                           |      |                                   |  |  |  |  |  |
|                                                                             |                 |                                                                                                   |                             |      |      |      |      |                           |      |                                   |  |  |  |  |  |
| Shelf life (at 125°C)                                                       |                 | After 1000 hours no load test, leakage current, capacitance and tanQ are same as load life value. |                             |      |      |      |      |                           |      |                                   |  |  |  |  |  |

#### FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

|             | Frequency | 60Hz | 120Hz | 1kHz | 10kHz | 50kHz | 100kHz≤ |
|-------------|-----------|------|-------|------|-------|-------|---------|
| Coefficient |           | 0,30 | 0,40  | 0,70 | 0,90  | 0,95  | 1,00    |
|             |           |      |       |      |       |       |         |
|             |           |      |       |      |       |       |         |
|             |           |      |       |      |       |       |         |
|             |           |      |       |      |       |       |         |
|             |           |      |       |      |       |       |         |

#### Technical Details

|                                   |                |        |      |
|-----------------------------------|----------------|--------|------|
| Range (µF)                        | 47             | ØD(mm) | 13,0 |
| Voltage                           | 160            | L(mm)  | 25,0 |
| Impedance (Ω)                     | -.-            | F(mm)  | 5,0  |
| Ripple Current (mA)               | 780            | Ød(mm) | 0,6  |
| ESR (Ω) max.at 20°C 10KHz         | -.-            | α(mm)  | 2    |
| Lifetime (hrs)                    | 5000           | -.-    | -.-  |
| Operating- Temperature Range (°C) | -25°C ~ +125°C | -.-    | -.-  |



|    |  |  |  |     |      |     |
|----|--|--|--|-----|------|-----|
| ØD |  |  |  | 10  | 12,5 | 16  |
| F  |  |  |  | 5   | 5    | 7,5 |
| Ød |  |  |  | 0,6 |      | 0,8 |
| α  |  |  |  | 2,0 |      |     |

|       |       |      |        |        |        |       |            |
|-------|-------|------|--------|--------|--------|-------|------------|
| DRW:  | Lexua | CHKD | Wilson | MATL:  | ChuChu | DATE  | 23.12.2024 |
| APPD: | Jimmy |      |        | FINISH | Josy   | Sheet | 1 from 2   |

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### Ordering Informations:

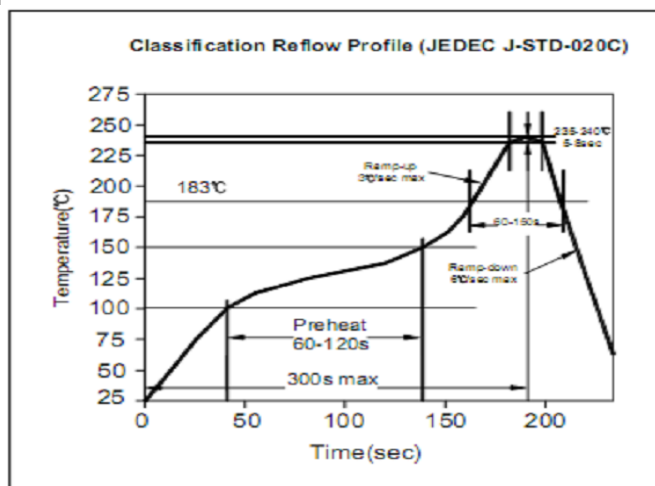
| Serie-No. / Voltage / Range / Size | Capacity Tolerance | ROHS | Packing |
|------------------------------------|--------------------|------|---------|
|------------------------------------|--------------------|------|---------|

|                   |   |   |    |
|-------------------|---|---|----|
| 114071-1614701325 | M | R | BU |
|-------------------|---|---|----|

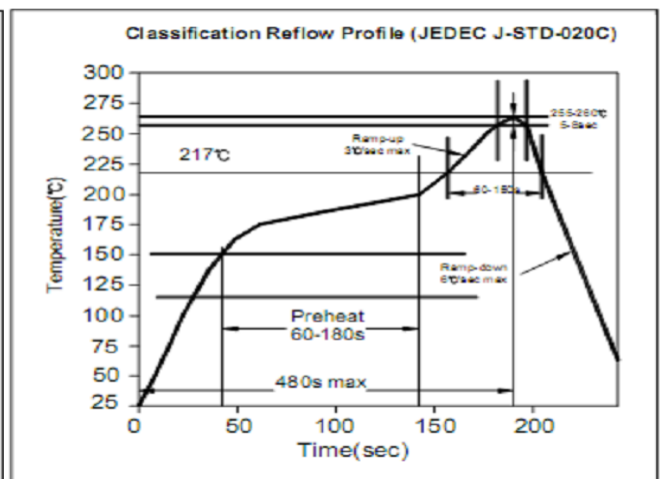
| Serie | Voltage (V) | Range $\mu$ H) | D * L (mm) | Tolerance Order Code | R= ROHS<br>N= NON ROHS | BU= Bulk-Ware Long Lead<br>T/B= Tape/Box<br>L3= Lead-Length 3~3,5mm |
|-------|-------------|----------------|------------|----------------------|------------------------|---------------------------------------------------------------------|
|-------|-------------|----------------|------------|----------------------|------------------------|---------------------------------------------------------------------|

### Soldering Information

#### Lead Solder Performance



#### Lead free Solder Performance



|       |       |      |        |        |        |       |            |
|-------|-------|------|--------|--------|--------|-------|------------|
| DRW:  | Lexua | CHKD | Wilson | MATL:  | ChuChu | DATE  | 23.12.2024 |
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