



**THT, Radial E-Cap., Snap-In, 105°C permissible Overvoltage, Withstanding 2000 hours application of rated ripple current at 105°C, Reduction of short incidence when overvoltage (rated voltage x 1.5) is applied to a capacitor, ROHS Conform, Packing Box**

| Items                                                                      |                    | Performance Characteristics                        |      |      |  |      |      |  |  |  |  |
|----------------------------------------------------------------------------|--------------------|----------------------------------------------------|------|------|--|------|------|--|--|--|--|
| Operating temperature range                                                |                    | -40°C~+105°C (200V, 250V) -25°C~+105°C (400V,450V) |      |      |  |      |      |  |  |  |  |
| Leakage current max.                                                       |                    | I=3 √cv (μA) (after 5 minutes)                     |      |      |  |      |      |  |  |  |  |
|                                                                            |                    |                                                    |      |      |  |      |      |  |  |  |  |
| Capacitance tolerance                                                      |                    | ±20% at 120Hz, 20°C                                |      |      |  |      |      |  |  |  |  |
| Dissipation factor max.<br>(at 120Hz, 20°C)                                | WV                 |                                                    | 200  | 250  |  | 400  | 450  |  |  |  |  |
|                                                                            | TanQ               |                                                    | 0,15 | 0,15 |  | 0,15 | 0,20 |  |  |  |  |
|                                                                            |                    |                                                    |      |      |  |      |      |  |  |  |  |
|                                                                            |                    |                                                    |      |      |  |      |      |  |  |  |  |
| Load life ( after application of the rated voltage for 10000hrs at 105°C)  | Leakage Current    | Less than specified Value                          |      |      |  |      |      |  |  |  |  |
|                                                                            | Capacitance Change | Within ±20% off initial Value                      |      |      |  |      |      |  |  |  |  |
|                                                                            | TanQ               | Less than 200% of specified value                  |      |      |  |      |      |  |  |  |  |
| Shelf life ( after leaving capacitor under no load at 105°C for 1000hours) | Leakage Current    | Less than specified Value                          |      |      |  |      |      |  |  |  |  |
|                                                                            | Capacitance Change | Within ±15% off initial Value                      |      |      |  |      |      |  |  |  |  |
|                                                                            | TanQ               | Less than 150% of specified value                  |      |      |  |      |      |  |  |  |  |

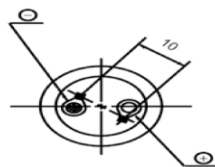
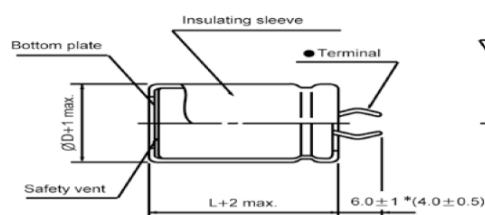
#### FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

| WV / Frequency | 50HZ | 60Hz | 120Hz | 300Hz | 1kHz | 10kHz≤ | 50kHz≤ |
|----------------|------|------|-------|-------|------|--------|--------|
| 200, 250       | 0,81 | 0,85 | 1,00  | 1,17  | 1,32 | 1,45   | 1,50   |
| 400, 450       | 0,77 | 0,82 | 1,00  | 1,16  | 1,30 | 1,41   | 1,43   |
|                |      |      |       |       |      |        |        |
|                |      |      |       |       |      |        |        |
|                |      |      |       |       |      |        |        |

#### Technical Details

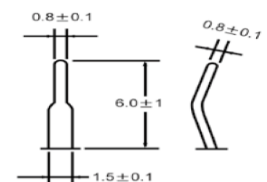
|                                   |                 |        |      |
|-----------------------------------|-----------------|--------|------|
| Range (μF)                        | 150             | ∅D(mm) | 30,0 |
| Voltage                           | 450             | L(mm)  | 25,0 |
| Impedance (Ω)                     | -. -            | F(mm)  | 10,0 |
| Ripple Current (mA)               | 0,79            | ∅d(mm) | 0    |
| ESR (Ω) max.at 20°C 10KHz         | -. -            | α(mm)  | 0    |
| Lifetime (hrs)                    | 2000            |        | 2,0  |
| Operating- Temperature Range (°C) | -.25°C ~ +105°C |        | -. - |

∅D≤40



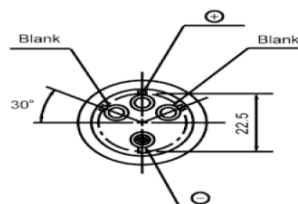
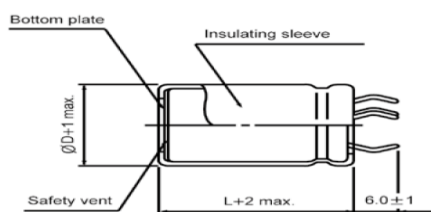
PC Board Mounting Holes

Terminal

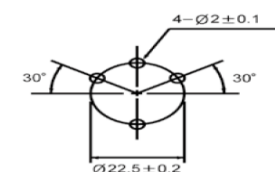


\* Shorter terminal(4.0±0.5) is also available upon request.  
Terminal length of height 20mm products is applied shorter terminal to standard terminal type.

∅D=35, 40



PC Board Mounting Holes



|       |       |      |        |        |        |       |            |
|-------|-------|------|--------|--------|--------|-------|------------|
| DRW:  | Lexua | CHKD | Wilson | MATL:  | ChuChu | DATE  | 15.01.2025 |
| APPD: | Jimmy |      |        | FINISH | Josy   | Sheet | 1 from 2   |

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### Ordering Informations:

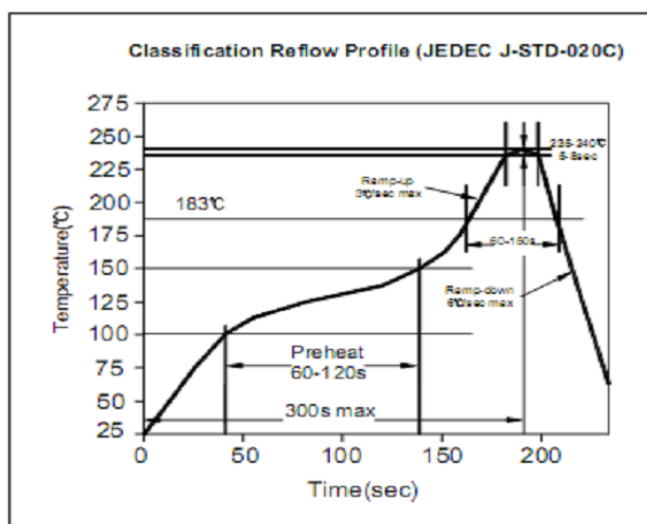
| Serie-No. / Voltage / Range / Size | Capacity Tolerance | ROHS | Packing |
|------------------------------------|--------------------|------|---------|
|------------------------------------|--------------------|------|---------|

|                   |   |   |    |
|-------------------|---|---|----|
| I14088-4511513025 | M | R | BU |
|-------------------|---|---|----|

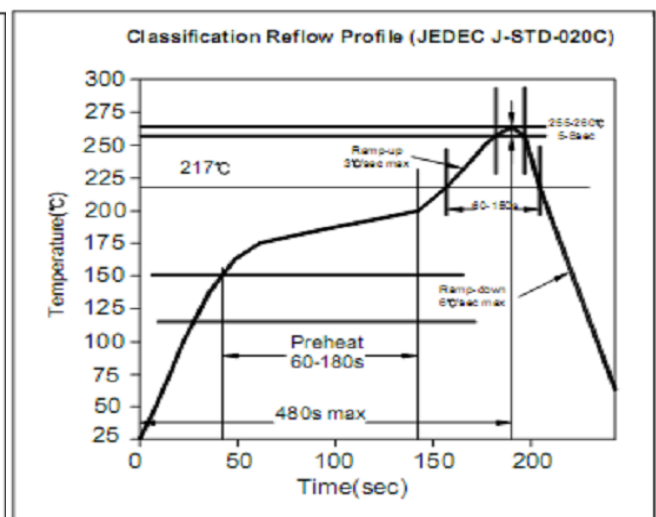
| Serie | Voltage (V) | Range $\mu$ H) | D * L (mm) | Tolerance Order Code | R= ROHS<br>N= NON ROHS | BU= Bulk-Ware (Box) |
|-------|-------------|----------------|------------|----------------------|------------------------|---------------------|
|       |             |                |            |                      |                        |                     |
|       |             |                |            |                      |                        |                     |

### Soldering Information

#### Lead Solder Performance



#### Lead free Solder Performance



|       |       |      |        |        |        |       |            |
|-------|-------|------|--------|--------|--------|-------|------------|
| DRW:  | Lexua | CHKD | Wilson | MATL:  | ChuChu | DATE  | 15.01.2025 |
| APPD: | Jimmy |      |        | FINISH | Josy   | Sheet | 2 from 2   |