



**THT, Radial E-Cap., Snap-In, Wide Temperature, High Ripple current, Load Life 3000hrs, at 105°C ( 400V ~ 550V), ROHS Conform, Packing Box**

| Items                                                                          |  |                                                                                                   | Performance Characteristics |      |      |      |  |  |                                   |  |  |  |
|--------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------|-----------------------------|------|------|------|--|--|-----------------------------------|--|--|--|
| Operating temperature range                                                    |  | -40°C ~ +105°C                                                                                    |                             |      |      |      |  |  |                                   |  |  |  |
| 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                                                                                                | 400                         | 420  | 450  | 500  |  |  |                                   |  |  |  |
|                                                                                |  | TanQ                                                                                              | 0,15                        | 0,20 | 0,20 | 0,20 |  |  |                                   |  |  |  |
|                                                                                |  |                                                                                                   |                             |      |      |      |  |  |                                   |  |  |  |
|                                                                                |  |                                                                                                   |                             |      |      |      |  |  |                                   |  |  |  |
|                                                                                |  |                                                                                                   |                             |      |      |      |  |  |                                   |  |  |  |
| Load life ( after application of the<br>rated voltage for 3000hrs at<br>105°C) |  | Leakage Current                                                                                   |                             |      |      |      |  |  | Less than specified Value         |  |  |  |
|                                                                                |  | Capacitance Change                                                                                |                             |      |      |      |  |  | Within ±20% off initial Value     |  |  |  |
|                                                                                |  | TanQ                                                                                              |                             |      |      |      |  |  | Less than 200% of specified value |  |  |  |
|                                                                                |  |                                                                                                   |                             |      |      |      |  |  |                                   |  |  |  |
|                                                                                |  |                                                                                                   |                             |      |      |      |  |  |                                   |  |  |  |
| Shelf life (at 105°C)                                                          |  | After 1000 hours no load test, leakage current, capacitance and tanQ are same as load life value. |                             |      |      |      |  |  |                                   |  |  |  |

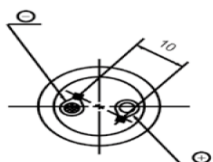
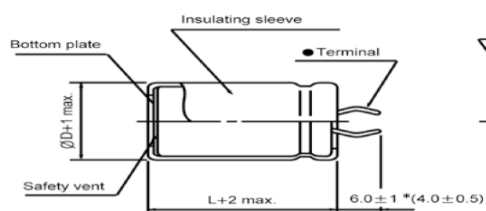
**FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT**

| WV      | Frequency | 50HZ | 120Hz | 300Hz | 1kHz | 10kHz≤ |  |
|---------|-----------|------|-------|-------|------|--------|--|
| 400~500 |           | 0,85 | 1,00  | 1,15  | 1,20 | 1,40   |  |
|         |           |      |       |       |      |        |  |
|         |           |      |       |       |      |        |  |
|         |           |      |       |       |      |        |  |
|         |           |      |       |       |      |        |  |

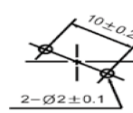
**Technical Details**

|                                   |                 |        |      |
|-----------------------------------|-----------------|--------|------|
| Range (μF)                        | 180             | ØD(mm) | 22,0 |
| Voltage                           | 450             | L(mm)  | 45,0 |
| Impedance (Ω)                     | -. -            | F(mm)  | 10,0 |
| Ripple Current (mA)               | 1,39            | Ød(mm) | 0    |
| ESR (Ω) max.at 20°C 10KHz         | -. -            | α(mm)  | 0    |
| Lifetime (hrs)                    | 3000            |        | 2,0  |
| Operating- Temperature Range (°C) | -.40°C ~ +105°C |        | -. - |

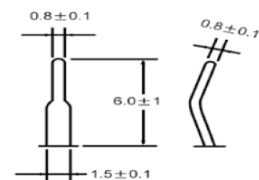
ØD≤40



PC Board  
Mounting Holes

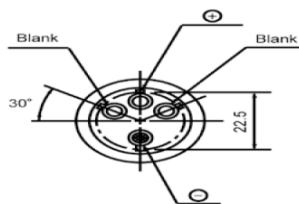
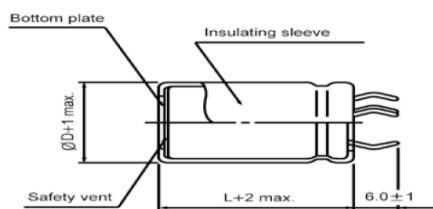


Terminal

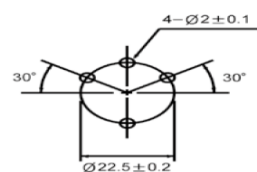


\* Shorter terminal(4.0±0.5) is also available upon request.  
Terminal length of height 20mm products is applied shorter terminal to standard terminal type.

ØD=35, 40



PC Board  
Mounting Holes



|       |       |      |        |        |        |       |            |
|-------|-------|------|--------|--------|--------|-------|------------|
| DRW:  | Lexua | CHKD | Wilson | MATL:  | ChuChu | DATE  | 03.02.2025 |
| APPD: | Jimmy |      |        | FINISH | Josy   | Sheet | 1 from 2   |

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THT, Radial E-Cap., Snap-In, Wide Temperature, High Ripple current, Load Life 3000hrs, at 105°C ( 400V ~ 550V), ROHS Conform, Packing Box

### Ordering Informations:

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

|                   |   |   |    |
|-------------------|---|---|----|
| I14084-4511812245 | M | R | BU |
|-------------------|---|---|----|

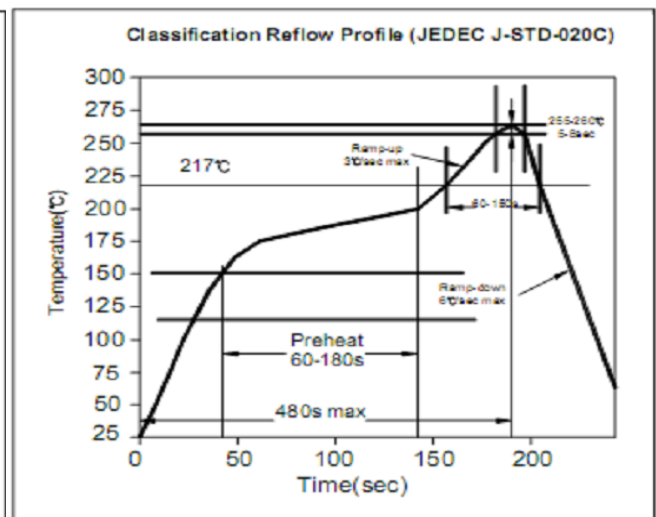
| Serie | Voltage (V) | Range $\mu$ H) | D * L (mm) | Tolerance Order Code | R= ROHS<br>N= NON ROHS | BU= Bulk-Ware (Box) |
|-------|-------------|----------------|------------|----------------------|------------------------|---------------------|
|       |             |                |            |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

### Soldering Information

#### Lead Solder Performance



#### Lead free Solder Performance



|       |       |      |        |        |        |       |            |
|-------|-------|------|--------|--------|--------|-------|------------|
| DRW:  | Lexua | CHKD | Wilson | MATL:  | ChuChu | DATE  | 03.02.2025 |
| APPD: | Jimmy |      |        | FINISH | Josy   | Sheet | 2 from 2   |