



**THT, Radial E-Cap., Snap-In, Ultra High Voltage, High ripple current, Load Life of 3000 hrs at 85°C, Suited for use in industrial power supplies for inverter etc., ROHS Conform, Packing Box**

| Items                                                                      |                                | Performance Characteristics                                                                       |      |      |      |  |                                   |  |  |  |  |
|----------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------|------|------|------|--|-----------------------------------|--|--|--|--|
| Operating temperature range                                                |                                | -25°C ~ +85°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                             |                                                                                                   | 575  | 600  | 630  |  |                                   |  |  |  |  |
|                                                                            | TanQ                           |                                                                                                   | 0,20 | 0,20 | 0,20 |  |                                   |  |  |  |  |
|                                                                            |                                |                                                                                                   |      |      |      |  |                                   |  |  |  |  |
|                                                                            |                                |                                                                                                   |      |      |      |  |                                   |  |  |  |  |
|                                                                            |                                |                                                                                                   |      |      |      |  |                                   |  |  |  |  |
| Load life ( after application of the<br>rated voltage for 3000hrs at 85°C) | Leakage Current                |                                                                                                   |      |      |      |  | Less than specified Value         |  |  |  |  |
|                                                                            | Capacitance Change             |                                                                                                   |      |      |      |  | Within ±20% off initial Value     |  |  |  |  |
|                                                                            | TanQ                           |                                                                                                   |      |      |      |  | Less than 200% of specified value |  |  |  |  |
|                                                                            |                                |                                                                                                   |      |      |      |  |                                   |  |  |  |  |
|                                                                            |                                |                                                                                                   |      |      |      |  |                                   |  |  |  |  |
| Shelf life (at 85°C)                                                       |                                | After 1000 hours no load test, leakage current, capacitance and tanQ are same as load life value. |      |      |      |  |                                   |  |  |  |  |

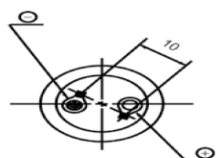
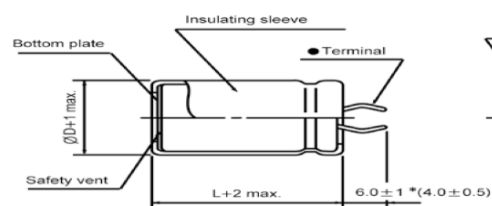
**FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT**

| WV      | Frequency | 50HZ | 120Hz | 300Hz | 1kHz | 10kHz | ≥50kHz |
|---------|-----------|------|-------|-------|------|-------|--------|
| 575~630 |           | 0,80 | 1,00  | 1,16  | 1,30 | 1,41  | 1,45   |
|         |           |      |       |       |      |       |        |
|         |           |      |       |       |      |       |        |
|         |           |      |       |       |      |       |        |
|         |           |      |       |       |      |       |        |

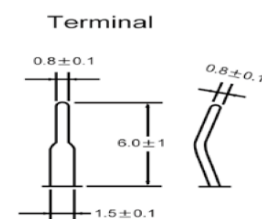
**Technical Details**

|                                   |               |        |      |
|-----------------------------------|---------------|--------|------|
| Range (μF)                        | 180           | ØD(mm) | 30,0 |
| Voltage                           | 575           | L(mm)  | 45,0 |
| Impedance (Ω)                     | -.-           | F(mm)  | 10,0 |
| Ripple Current (mA)               | 1,15          | Ød(mm) | 0    |
| ESR (Ω) max.at 20°C 10KHz         | -.-           | α(mm)  | 0    |
| Lifetime (hrs)                    | 3000          | -.-    | 2,0  |
| Operating- Temperature Range (°C) | -25°C ~ +85°C | -.-    | -.-  |

ØD ≤ 40

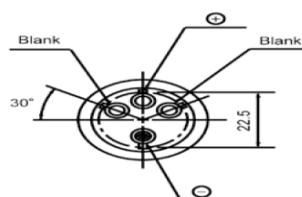
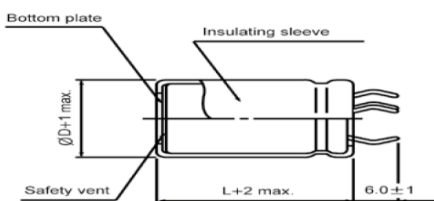


PC Board  
Mounting Holes

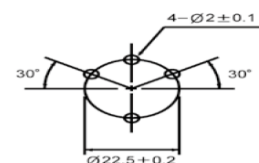


\* Shorter terminal (4.0 ± 0.5) is also available upon request.  
Terminal length of height 20mm products is applied shorter terminal to standard terminal type.

ØD = 35, 40



PC Board  
Mounting Holes



|       |       |      |        |        |        |       |            |
|-------|-------|------|--------|--------|--------|-------|------------|
| DRW:  | Lexua | CHKD | Wilson | MATL:  | ChuChu | DATE  | 07.01.2025 |
| APPD: | Jimmy |      |        | FINISH | Josy   | Sheet | 1 from 2   |

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### Ordering Informations:

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

|                   |   |   |    |
|-------------------|---|---|----|
| I14080-5711813045 | M | R | BU |
|-------------------|---|---|----|

| Serie | Voltage (V) | Range µH) | 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  | 07.01.2025 |
| APPD: | Jimmy |      |        | FINISH | Josy   | Sheet | 2 from 2   |