



**THT, Radial E-Cap., Snap-In, Wide Temperature Range at 105°C by 2000 hrs ( 6,3V~550V) , ROHS Conform, Packing Box**

| Items                                                                          |  |                                                                                                   | Performance Characteristics |      |      |      |      |                                   |      |         |         |         |
|--------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------|-----------------------------|------|------|------|------|-----------------------------------|------|---------|---------|---------|
| Operating temperature range                                                    |  | -40°C +105°C (6,3~315V, -25°C ~ +105°C ( 350~550V)                                                |                             |      |      |      |      |                                   |      |         |         |         |
| 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                                                                                                | 6,3                         | 10   | 16   | 25   | 35   | 50                                | 63   | 80, 100 | 160~400 | 450~500 |
|                                                                                |  | TanQ                                                                                              | 0,60                        | 0,55 | 0,50 | 0,40 | 0,35 | 0,30                              | 0,25 | 0,20    | 0,15    | 0,20    |
|                                                                                |  |                                                                                                   |                             |      |      |      |      |                                   |      |         |         |         |
|                                                                                |  |                                                                                                   |                             |      |      |      |      |                                   |      |         |         |         |
|                                                                                |  |                                                                                                   |                             |      |      |      |      |                                   |      |         |         |         |
| Load life ( after application of the<br>rated voltage for 2000hrs 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≤ |
|------------|-----------|------|-------|-------|------|--|--------|
| ~ 100      |           | 0,85 | 1,00  | 1,06  | 1,15 |  | 1,20   |
| 1600 ~ 250 |           | 0,85 | 1,00  | 1,20  | 1,25 |  | 1,45   |
| 315 ~      |           | 0,85 | 1,00  | 1,15  | 1,20 |  | 1,40   |
|            |           |      |       |       |      |  |        |
|            |           |      |       |       |      |  |        |

**Technical Details**

|                                   |                 |        |      |
|-----------------------------------|-----------------|--------|------|
| Range (µF)                        | 15000           | ØD(mm) | 35,0 |
| Voltage                           | 35              | L(mm)  | 35,0 |
| Impedance (Ω)                     | -. -            | F(mm)  | 10,0 |
| Ripple Current (mA)               | 4,41            | Ød(mm) | 0    |
| ESR (Ω) max.at 20°C 10KHz         | -. -            | α(mm)  | 0    |
| Lifetime (hrs)                    | 2000            |        | 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   |

Copyright by S.Tiede



THT, Radial E-Cap., Snap-In, Wide Temperature Range at 105°C by 2000 hrs ( 6,3V~550V) , ROHS Conform, Packing Box

### Ordering Informations:

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

|                   |   |   |    |
|-------------------|---|---|----|
| I14082-3501533535 | 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   |