

## Mechanical Data

- Through - Hole Package
- Weight: 2.24 grams (Approximate)
- Max Soldering Temperature +260°C for 30 secs as per JEDEC J-STD-020
- Case Material – Molded Plastic, UL Flammability Rating 94V-0
- Terminals: Finish – Matte Tin Plated Leads, Solderable per MIL-STD-202, Method 208 <sup>(e3)</sup>

## Package View



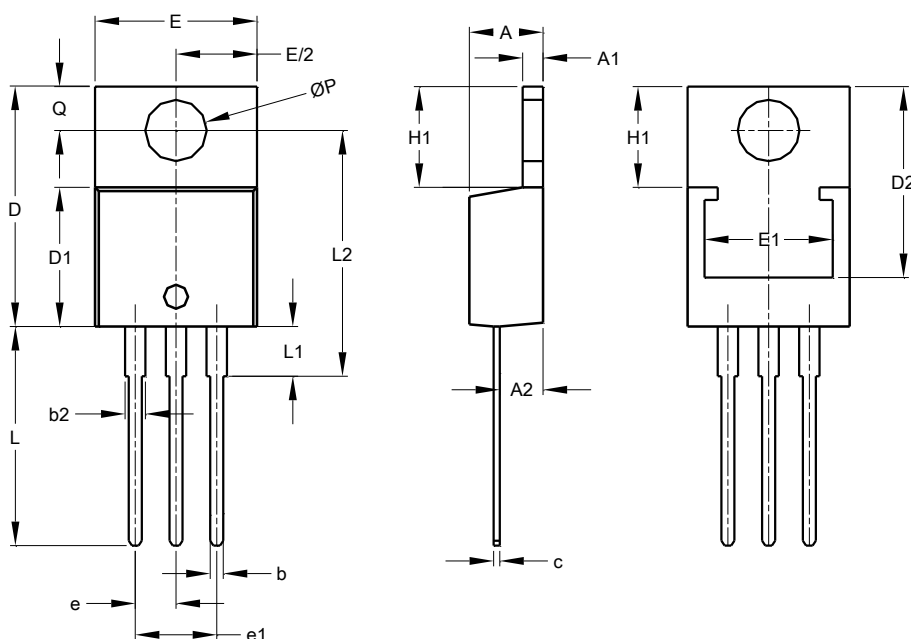
Top View



Bottom View

## Package Outline Dimensions

TO220AB



| TO220AB              |       |       |       |
|----------------------|-------|-------|-------|
| Dim                  | Min   | Max   | Typ   |
| A                    | 3.56  | 4.82  | -     |
| A1                   | 0.51  | 1.39  | -     |
| A2                   | 2.04  | 2.92  | -     |
| b                    | 0.39  | 1.01  | 0.81  |
| b2                   | 1.15  | 1.77  | 1.24  |
| c                    | 0.356 | 0.61  | -     |
| D                    | 14.22 | 16.51 | -     |
| D1                   | 8.39  | 9.01  | -     |
| D2                   | 11.45 | 12.87 | -     |
| e                    | -     | -     | 2.54  |
| e1                   | -     | -     | 5.08  |
| E                    | 9.66  | 10.66 | -     |
| E1                   | 6.86  | 8.89  | -     |
| H1                   | 5.85  | 6.85  | -     |
| L                    | 12.70 | 14.73 | -     |
| L1                   | -     | 4.42  | -     |
| L2                   | 15.80 | 17.51 | 16.00 |
| P                    | 3.54  | 4.08  | -     |
| Q                    | 2.54  | 3.42  | -     |
| All Dimensions in mm |       |       |       |

**Note:** For high voltage applications, the appropriate industry sector guidelines should be considered with regards to creepage and clearance.

## Minimum Packing Quantity

|              | Quantity per Box |
|--------------|------------------|
| Bulk - Loose | 1,000/ 2,000*    |
| Bulk - Tube  | 50               |

\*Quantity Varies by Part Number

**Note:** Package quantities given are for minimum packaging quantity only, not minimum order quantity. For minimum order quantity, please contact Sales Department.

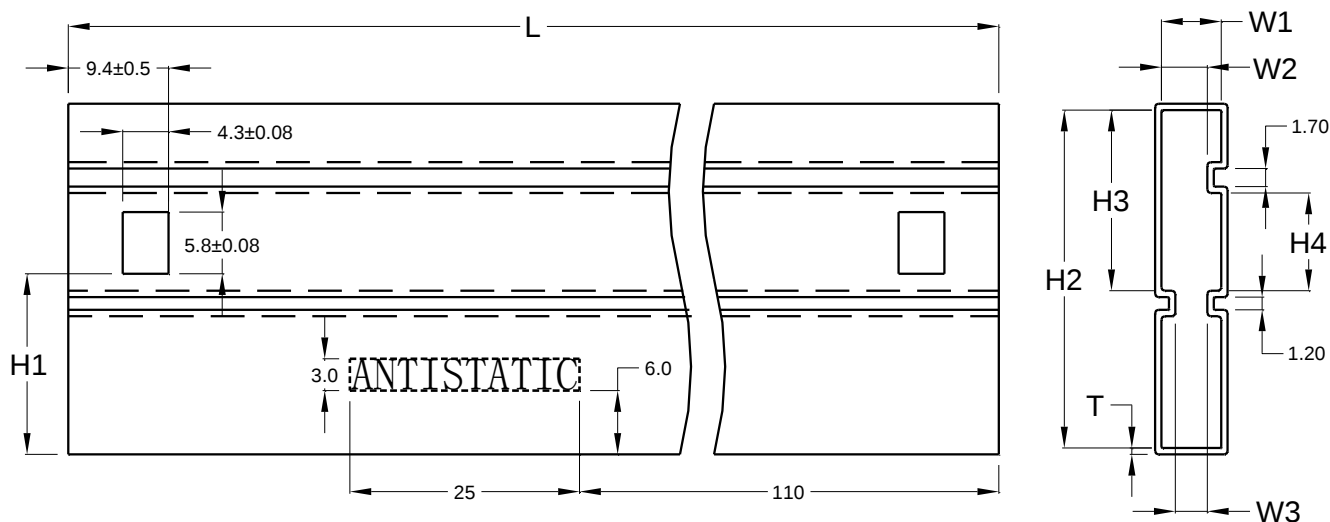
**Note:** No mixed date codes or partial quantity (less than minimum packaging quantity) per packaging is allowed.

**Note:** In no case shall there be two or more consecutive components missing from any reel for any reason.

# Tube Pack Dimensions/ Specifications

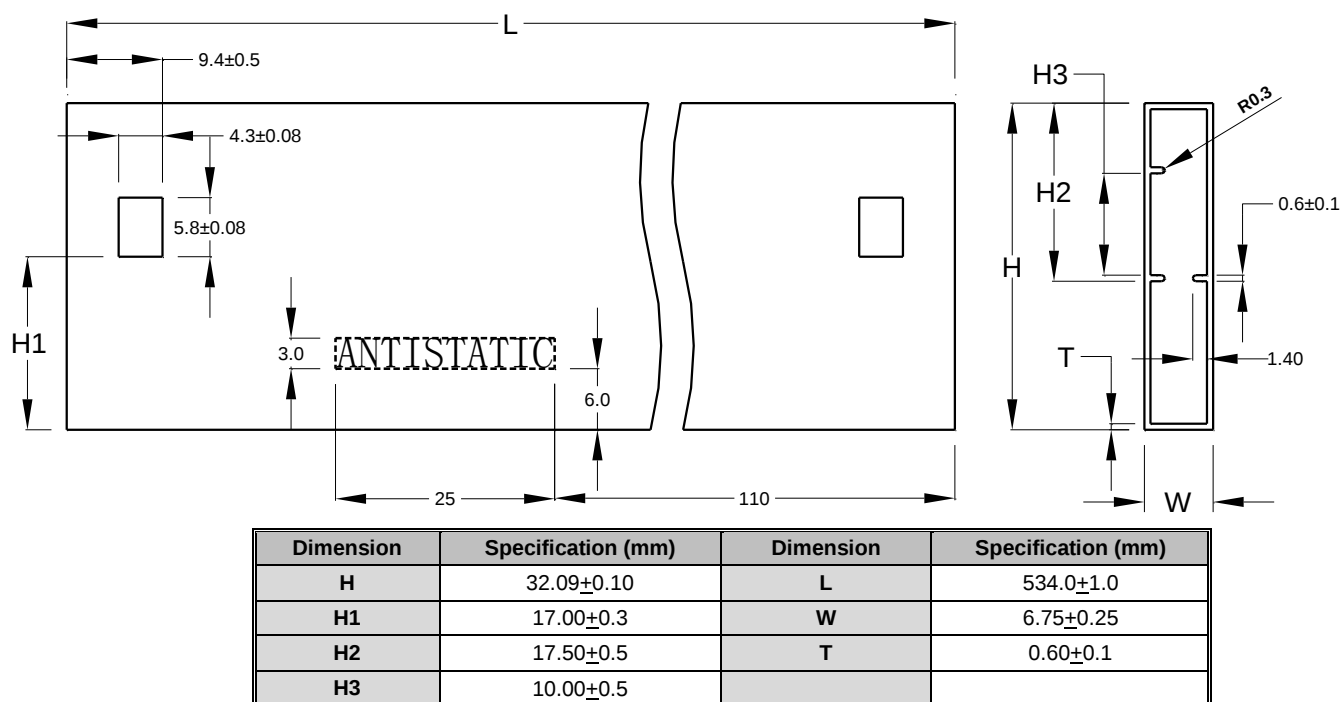
| TUBE PACK       |                |                 |                   |
|-----------------|----------------|-----------------|-------------------|
| H - Height (mm) | W - Width (mm) | L - Length (mm) | Drawing Reference |
| 33              | 6.8            | 529             | Fig. 2            |
| 32.09           | 6.75           | 534             | Fig. 3            |

Fig. 2



| Dimension | Specification (mm) | Dimension | Specification (mm) |
|-----------|--------------------|-----------|--------------------|
| H1        | 17.00±0.3          | W1        | 5.60±0.3           |
| H2        | 31.80±0.5          | W2        | 4.60±0.3           |
| H3        | 17.00±0.3          | W3        | 3.00±0.3           |
| H4        | 9.20±0.3           | T         | 0.60±0.2/-0.05     |
| L         | 529.0±1.0          |           |                    |

Fig. 3



| Dimension | Specification (mm) | Dimension | Specification (mm) |
|-----------|--------------------|-----------|--------------------|
| H         | 32.09±0.10         | L         | 534.0±1.0          |
| H1        | 17.00±0.3          | W         | 6.75±0.25          |
| H2        | 17.50±0.5          | T         | 0.60±0.1           |
| H3        | 10.00±0.5          |           |                    |