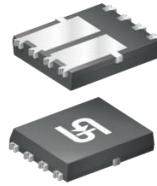


## Package View

Surface Mount package packed per EIA/JEDEC Standard RS-481, IEC60286-3



PDFN56U Dual

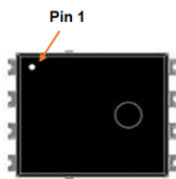
## Packing Quantity

| Packing Type | Packing Code | Packaging Description                 | Reel (pc) | Inner Box (pc) | Carton (pc) | Carton Size (mm) (Max) |
|--------------|--------------|---------------------------------------|-----------|----------------|-------------|------------------------|
| Reel         | RL           | 12 mm Tape, 13" Diameter Plastic Reel | 2,500     | 5,000          | 25,000      | 375x290x395            |
| Reel         | RG           | 12 mm Tape, 13" Diameter Plastic Reel | 5,000     | 10,000         | 50,000      | 375x290x395            |

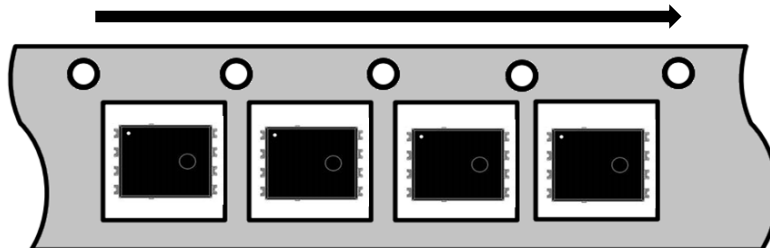
## Component Orientation

Device Orientation and Direction of Feed

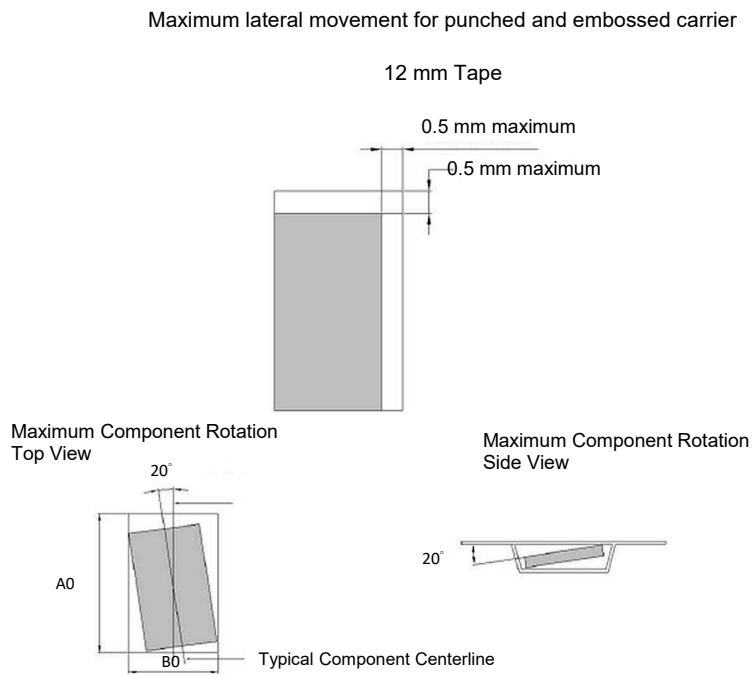
Unidirectional : Pin 1 Toward Sprocket Hole.



User Direction of Feed

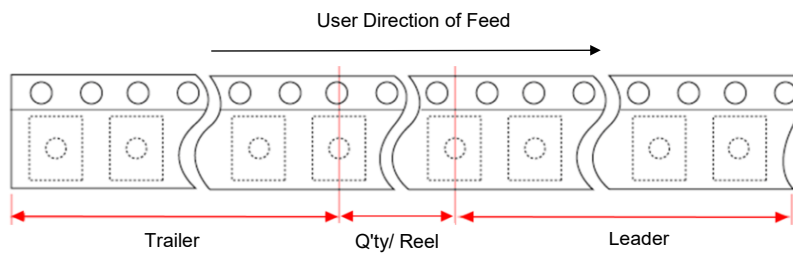


## Component Lateral Movement



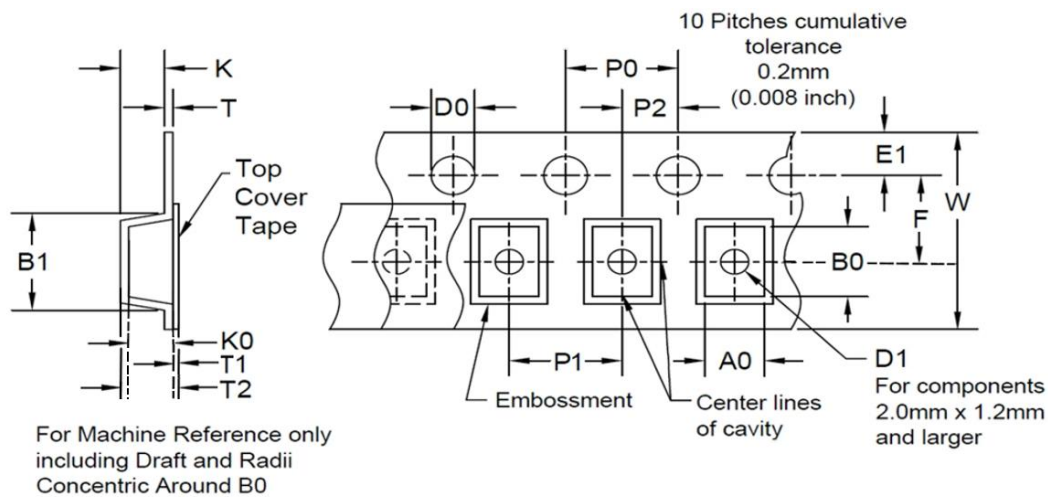
## Tape leader & trailer

- Unfilled leader and trailer pockets are sealed
- Leaders and trailers are taped to tape and hub, respectively, with masking tape
- All materials are static-dissipative



| Packing code | Trailer    | Q'ty/Reel | Leader     |
|--------------|------------|-----------|------------|
| RL           | Min 160 mm | 2,500     | Min 400 mm |
| RG           | Min 160 mm | 5,000     | Min 400 mm |

## Embossed Carrier Tape Specification



ALL DIMENSION IN MILLIMETERS(Unit : mm)

| Dim  | Tape size | D0              | E1            | P0         | P2         | T             | Ao           | Bo           | Ko          |
|------|-----------|-----------------|---------------|------------|------------|---------------|--------------|--------------|-------------|
| Spec | 12 mm     | 1.5<br>+0.1, -0 | 1.75<br>±0.10 | 4<br>±0.10 | 2<br>±0.05 | 0.30<br>±0.05 | 6.8<br>±0.10 | 5.3<br>±0.10 | 1.4<br>±0.1 |

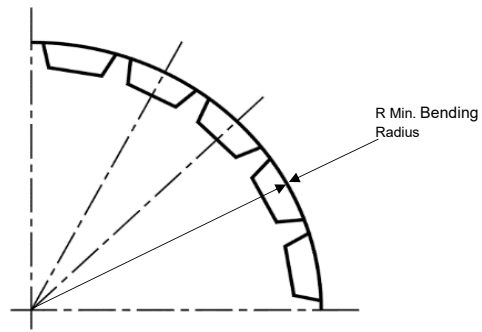
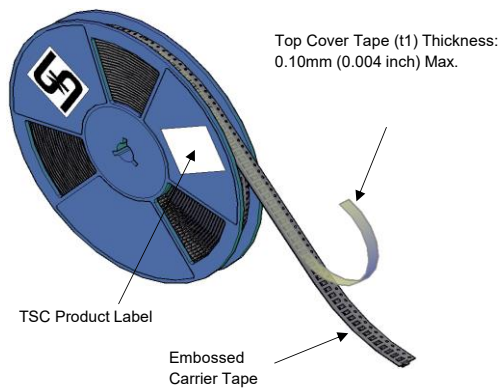
| Dim  | Tape size | B1 | D1         | F            | W          | P1        | K | T1            | T2 |
|------|-----------|----|------------|--------------|------------|-----------|---|---------------|----|
| Spec | 12 mm     | -  | 1.5<br>min | 5.5<br>±0.05 | 12<br>±0.3 | 8<br>±0.1 | - | 0.06<br>±0.02 | -  |

**Note 1 :** B1 is for tape feeder reference only, including draft concentric about Bo.

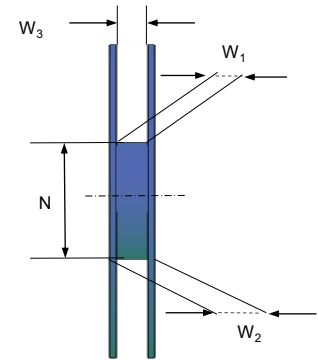
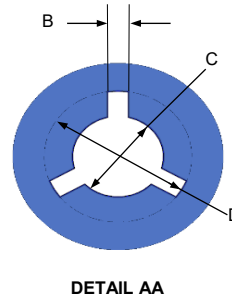
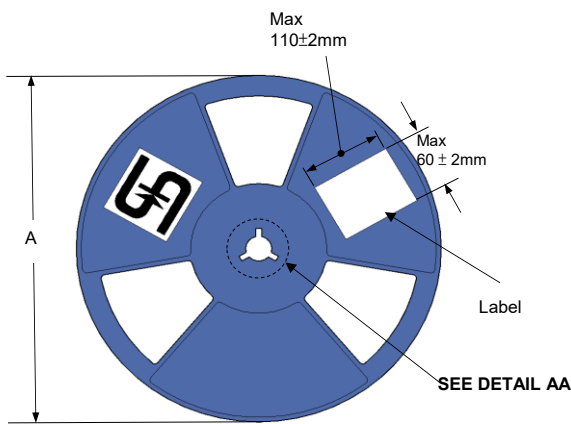
**Note 2 :** A0,B0,K0 are determined by component size. The clearance between the component and the cavity must be within 0.05mm(.002")min. to 0.65mm(.025")max. for 12mm tape, 0.05mm(.002")min to 0.90mm(.035")max. for 16mm tape. In addition, the components cannot rotate more than 20° within the determined cavity.

**Note3 :** Surface Resistance  $10^4 \sim 10^{11} \Omega$ .

## Reel Specification



Tape with components shall pass around bending radius without damage, for reels with hub diameters. approaching minimum dimension.



ALL DIMENSION IN MILLIMETERS (Unit : mm)

| Packing code | Reel Size | Tape size | Reel diameter | Hole dimension | Hole dimension   | Hole dimension | Hub diameter  | Reel inner width (at the Hub) | Reel overall width | Reel inner width |
|--------------|-----------|-----------|---------------|----------------|------------------|----------------|---------------|-------------------------------|--------------------|------------------|
|              |           |           | A             | B              | C                | D              | N             | W <sub>1</sub>                | W <sub>2</sub>     | W <sub>3</sub>   |
| RL           | 13"       | 12 mm     | 330<br>±2.0   | 2.9<br>±0.5    | 13.0<br>+0.5, -0 | -              | 178<br>+0, -2 | -                             | 18.4<br>±0.5       | 12.4<br>+2, -0   |
| RG           | 13"       | 12 mm     | 330<br>±2.0   | -              | 13.0<br>±0.2     | 21.0<br>±0.8   | 80.00<br>±1.0 | -                             | 17.4<br>±1.0       | 13.4<br>±1.0     |

**Note1** : Surface Resistance 10<sup>4</sup>~10<sup>11</sup>Ω.