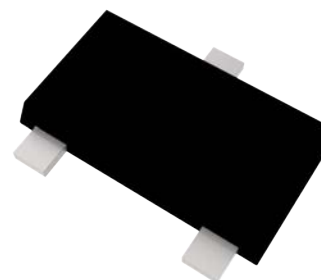


## Mechanical Data

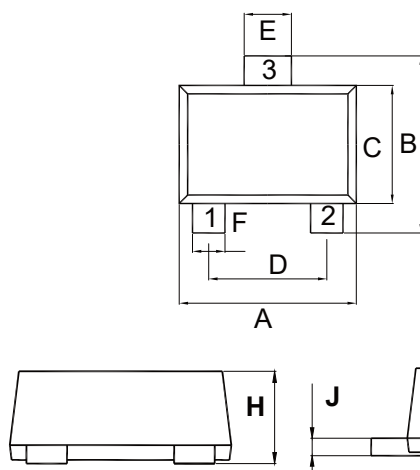
- Surface Mount Package
- Weight: 0.001 grams (Approximate)
- Moisture Sensitivity Level Refer to Product Datasheet
- Halogen Free. "Green" Device (Note 1)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant (Note2) ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Note:1. free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.  
2. High Temperature Solder Exemption Applied, see EU Directive Annex 7a.

## Package 3D Photo

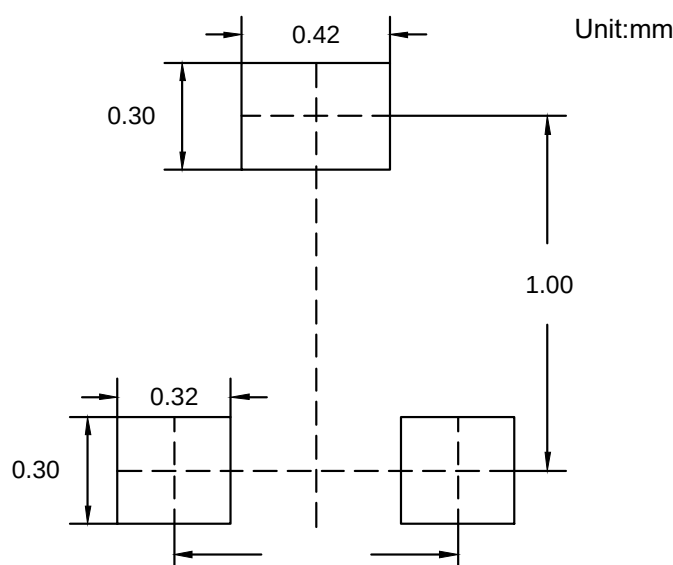


## Package Outline Dimensions



| DIMENSIONS |        |       |      |      |      |
|------------|--------|-------|------|------|------|
| DIM        | INCHES |       | MM   |      | NOTE |
|            | MIN    | MAX   | MIN  | MAX  |      |
| A          | 0.043  | 0.051 | 1.10 | 1.30 |      |
| B          | 0.043  | 0.051 | 1.10 | 1.30 |      |
| C          | 0.028  | 0.035 | 0.70 | 0.90 |      |
| D          | 0.031  |       | 0.80 |      | TYP. |
| E          | 0.009  | 0.017 | 0.22 | 0.42 |      |
| F          | 0.005  | 0.013 | 0.12 | 0.32 |      |
| G          | 0.000  | 0.002 | 0.00 | 0.05 |      |
| H          | 0.017  | 0.021 | 0.43 | 0.54 |      |
| J          | 0.003  | 0.006 | 0.08 | 0.15 |      |

## Suggested Solder Pad Layout



### Notes:

- 1.The suggested land pattern dimensions have been provided for reference only.
- 2.For further information,please reference document IPC-7351A.

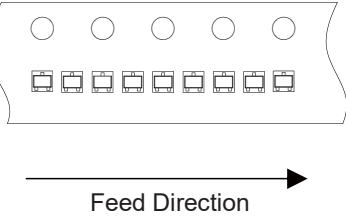
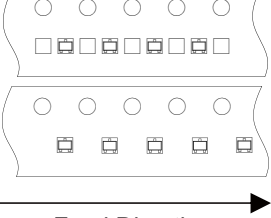
## Packing Quantity

| Package | Tape Width (mm) | Reel Size (inch) | Reel Quantity | BOX Quantity | Carton Quantity | Part Number -Suffix |
|---------|-----------------|------------------|---------------|--------------|-----------------|---------------------|
| SOT-723 | 8               | 7                | 8000          | 80K          | 320K            | -TP                 |
|         |                 |                  | 3000          | 30K          | 120K            | -T3P                |

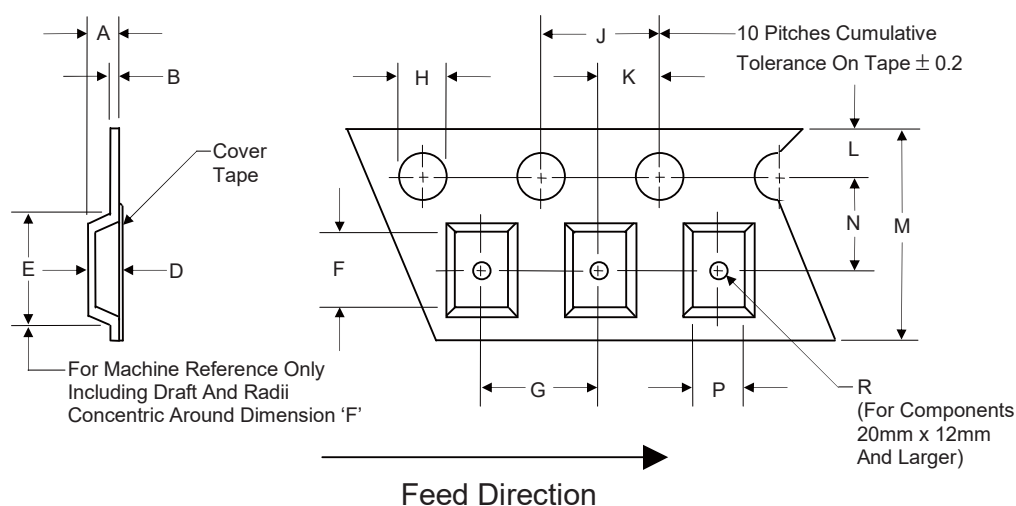
Note 1: These are minimum package quantities only. Minimum orders will differ. Contact the factory for more information on minimum order quantities.

Note 2: MCC Tape&reel products meets EIA-481 REV D specification.

## Device Tape Orientation

| Package | Tape Width (mm) | Tape Orientation                                                                  |                                                                                     |
|---------|-----------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|         |                 | Part Number-TP                                                                    | Part Number-T3P                                                                     |
| SOT-723 | 8               |  |  |
|         |                 | Feed Direction                                                                    | Feed Direction                                                                      |

## Embossed Carrier Tape Specifications



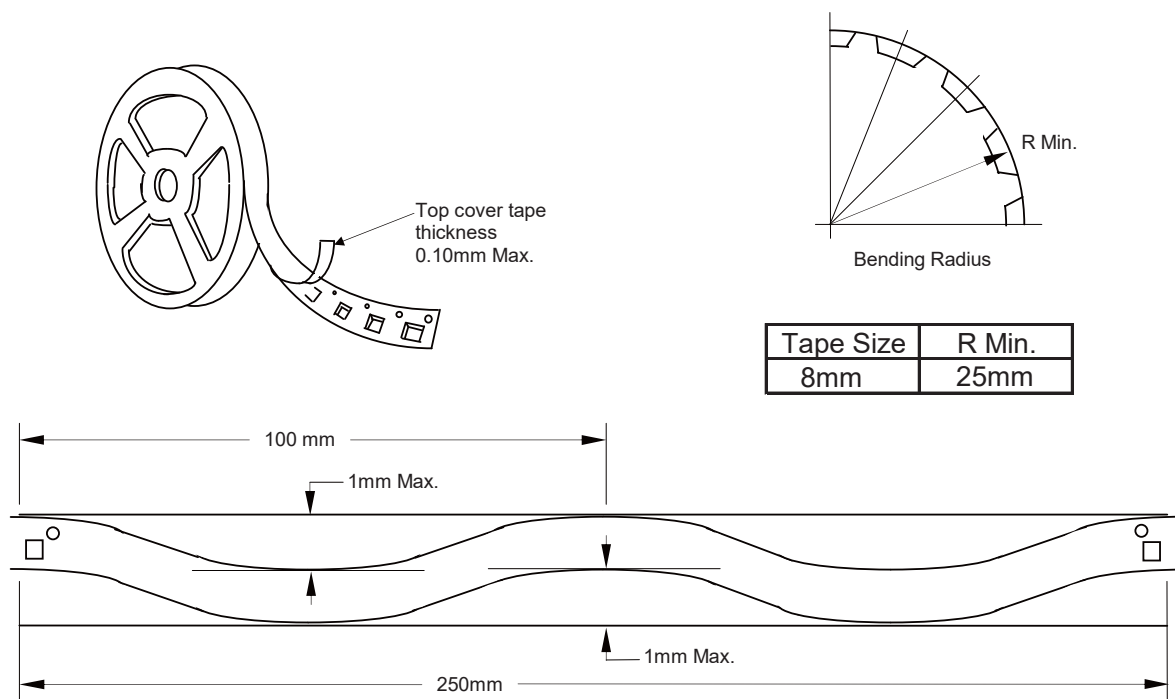
| Tape Width  | H       | L    | J    | B   | D          | F | P |
|-------------|---------|------|------|-----|------------|---|---|
| 8mm         | 1.5     | 1.75 | 4.0  | 0.6 | See Note 3 |   |   |
| (Tolerance) | +0.1/-0 | ±0.1 | ±0.1 | Max |            |   |   |

| Tape Width  | E   | R   | N     | A   | K     | M    | G          |
|-------------|-----|-----|-------|-----|-------|------|------------|
| 8mm         | 4.2 | 1.0 | 3.5   | 2.4 | 2.0   | 8.0  | 2.0 or 4.0 |
| (Tolerance) | Max | Min | ±0.05 | Max | ±0.05 | ±0.3 | ±0.1       |

Note 3: D,E,F are determined by constant size. The clearance between the part and the tape cavity must be within 0.05mm min. to 0.50mm max. for 8mm tape.

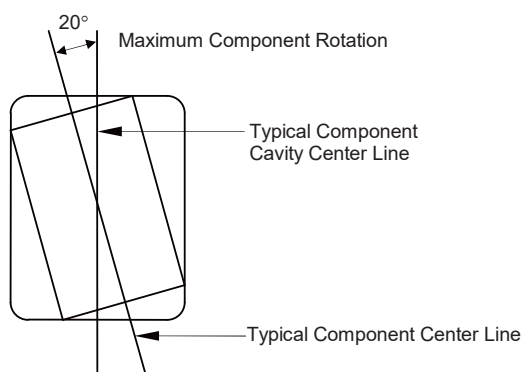
Note 4: G=4.0mm is for the tape which is 3000pcs/reel with no skip.

## Embossed Carrier Tape Specifications

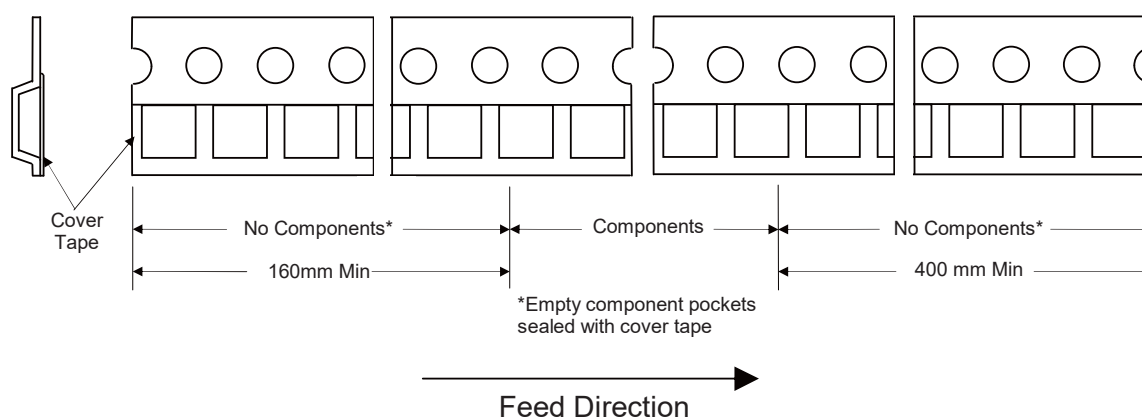


Camber (Top View)

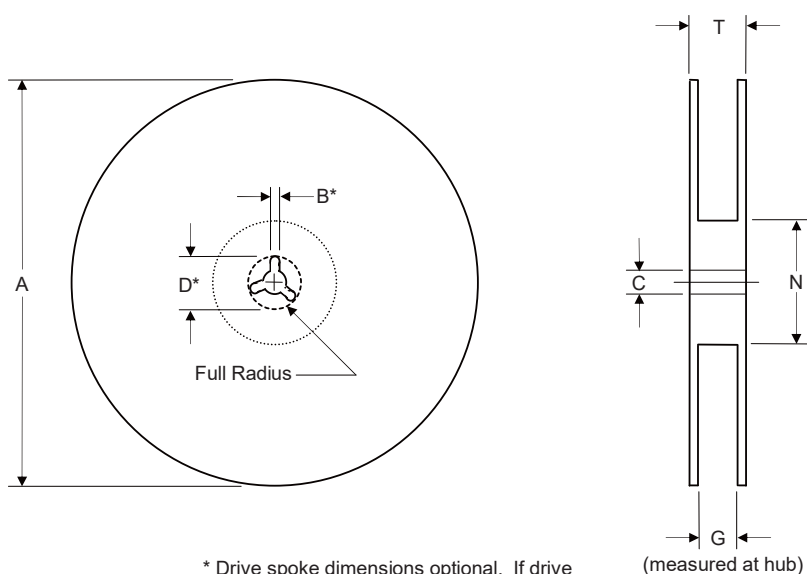
Allowable camber to be 1mm/100mm non-accumulative over 250mm



## Start and Finish Specification



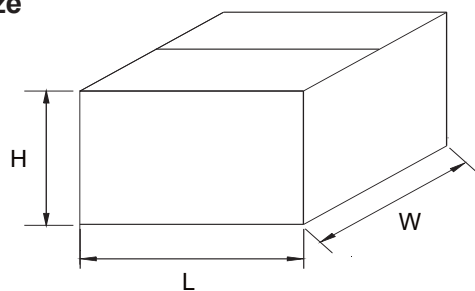
## Surface Mount Reel Specifications



| Tape Width  | A   | B   | C    | D    | N    | G    | T    |
|-------------|-----|-----|------|------|------|------|------|
| 8mm         | 180 | 1.5 | 13.0 | 20.2 | 55   | 8.4  | 14.4 |
| (Tolerance) | Max | Min | ±0.2 | Min  | ±5.0 | +1.5 | Max  |

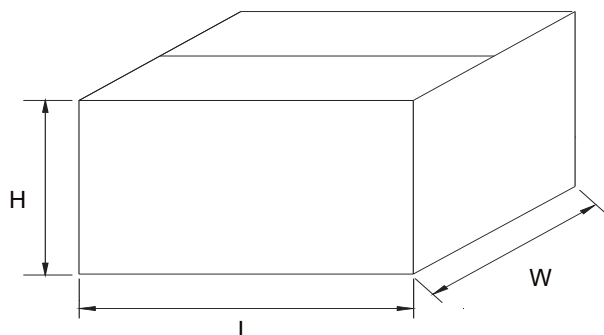
## Dimensions

### Inbox Size



| Dimension | Specification(mm typical) |         |
|-----------|---------------------------|---------|
|           | General                   | MBB Bag |
| L         | 187                       | 245     |
| W         | 130                       | 145     |
| H         | 187                       | 235     |

### Carton Size



| Dimension | Specification(mm typical) |         |
|-----------|---------------------------|---------|
|           | General                   | MBB Bag |
| L         | 390                       | 510     |
| W         | 275                       | 305     |
| H         | 207                       | 235     |