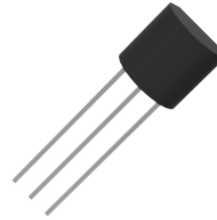


**Mechanical Data**

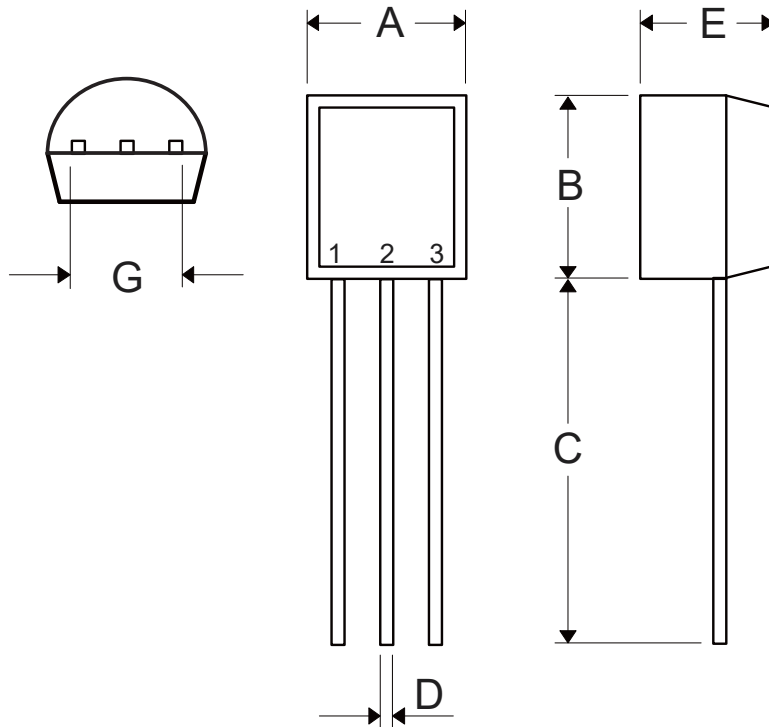
- Weight: 0.2120 grams (Approximate)
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant (Note1) ("P" Suffix Designates RoHS Compliant. See Ordering Information)

**Package 3D Photo**



Note: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7a.

**Package Outline Dimensions**



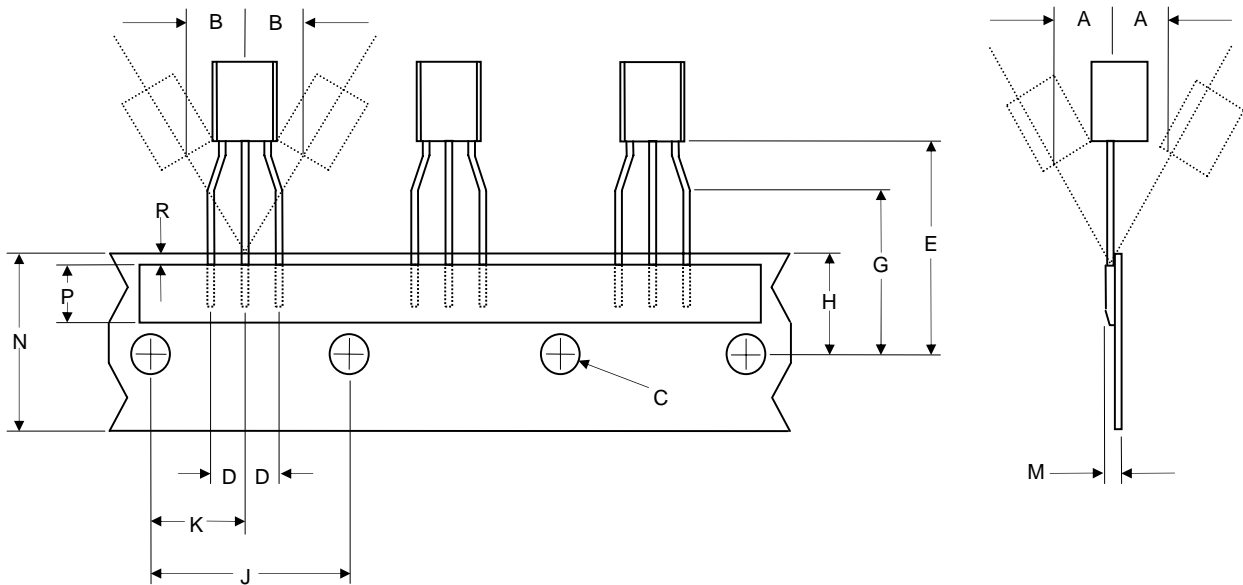
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.169	0.185	4.30	4.70	
B	0.169	0.185	4.30	4.70	
C	0.500	-----	12.70	-----	
D	0.015	0.022	0.38	0.55	
E	0.130	0.146	3.30	3.70	
G	0.095	0.105	2.42	2.67	Straight Lead
	0.173	0.220	4.40	5.60	Bent

## Packing Quantity

Package	Package Type	Minimum Packing Quantity	Box Quantity	Carton Quantity
TO-92	Bulk	1000	10000	100000
	Ammo Pack	2000	2000	20000

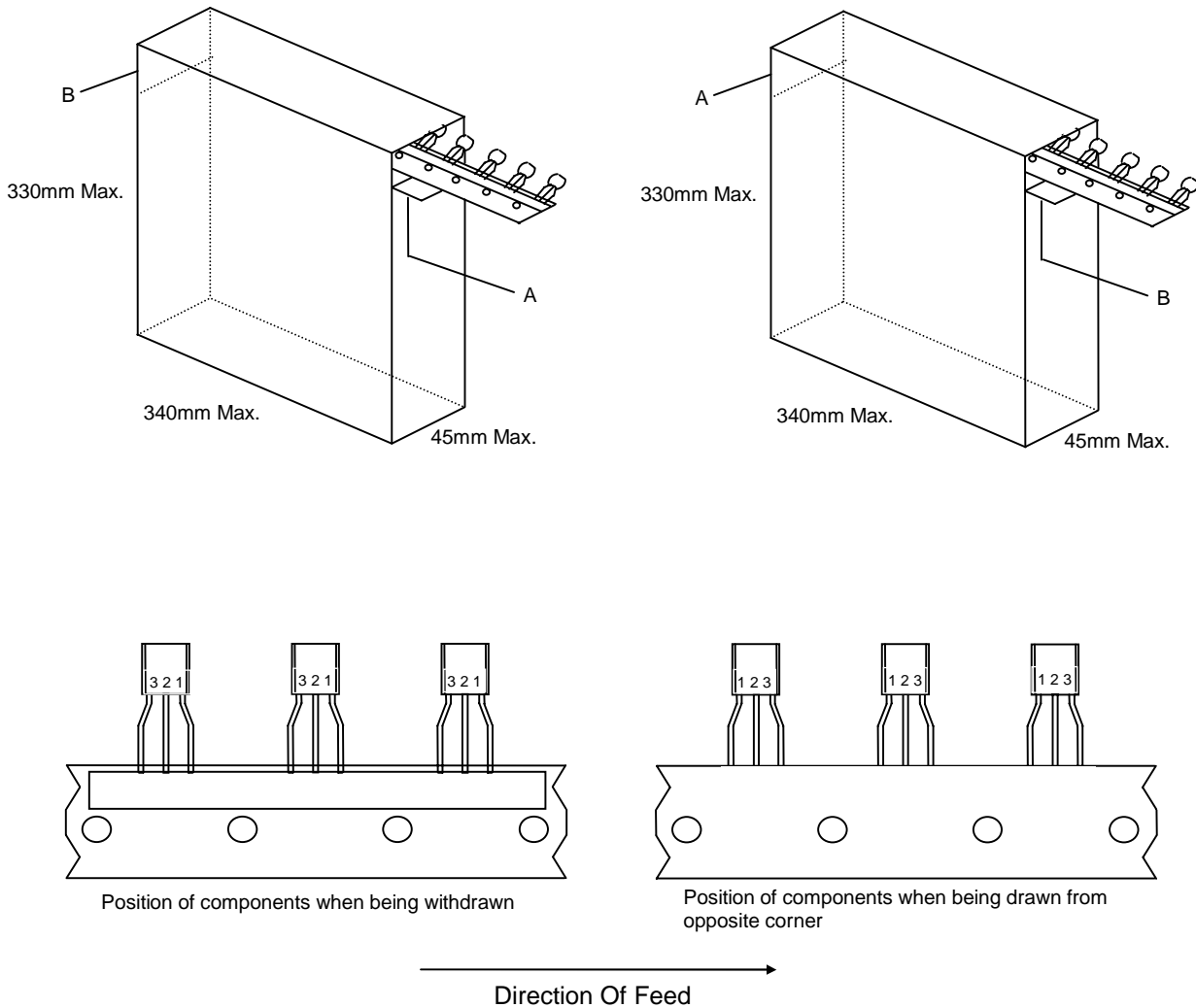
Note 1: These are minimum package quantities only. Minimum orders will differ. Contact the factory for more information on minimum order quantities.

## Taping Specifications



Description	Dimension	Specification(mm)
Front To Rear Deflection	A	0±1.0
Left To Right Deflection	B	0±1.0
Feed Hole Diameter	C	4.0±0.2
Component Lead Pitch	D	2.5±0.3
Feed Hole To Bottom Of Component	E	21.0 Max.
Height Of Seating Plane	G	16±0.5
Height Of Feed Hole Location	H	9.0 <sup>+0.8</sup> <sub>-0.5</sub>
Feed Hole Pitch	J	12.7±0.3
Center Of Seating Plane Location	K	6.35±0.5
Total Taped Package Thickness	M	1.5 Max.
Carrier Tape Width	N	18.0 <sup>+1.0</sup> <sub>-0.5</sub>
Adhesive Tape Width	P	6.0±0.5
Adhesive Tape Position	R	1.0 Max.
Feed Hole Pitch Tolerance	---	0±1.0 over 20 pitch
Empty Places in Tape	---	0.1% non-consecutive

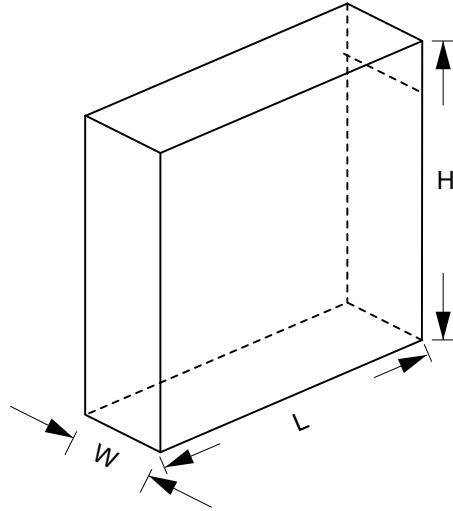
## Ammo Pack Specifications



- Notes:
- 1) The carrier tape consists of a cardboard strip with sprocket holes. The pins of the transistors are secured radially to the carrier tape with a heat seal type tape.
  - 2) The tape can be taken from either of the two opposite corners, depending on the desired pin sequence.
  - 3) The label will include a minimum of the part number, quantity and date code.
  - 4) Each ammo pack consists of layers of 25 devices each folded in a concertina fashion. One component is missing at the end of each layer. Each position is identified by means of a double perforation across the tape. The tape is folded at the perforations.

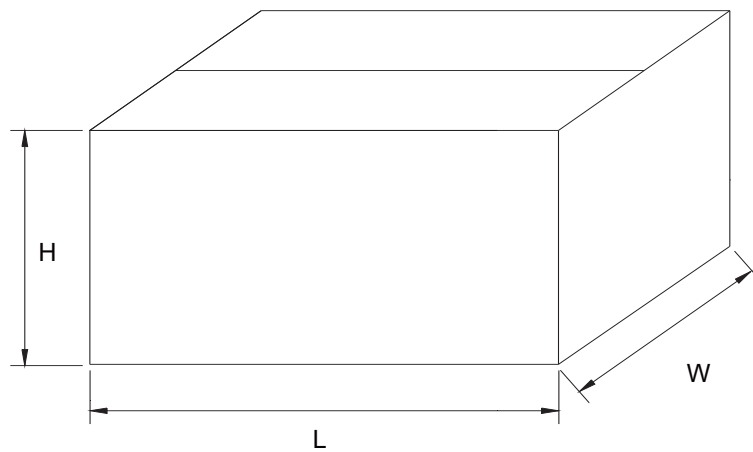
## Ammo Pack Dimensions

### Box Size



Description	Dimension	Specification(mm typical)
Length	L	330
Width	W	40
Height	H	185

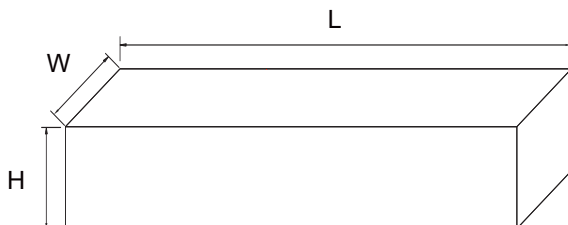
### Carton Size



Description	Dimension	Specification(mm typical)
Length	L	505
Width	W	405
Height	H	240

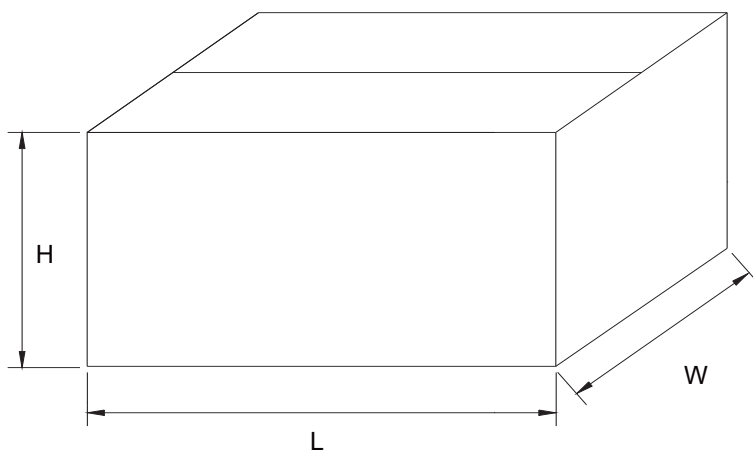
## Bulk Packing Dimensions

### Box Size



Description	Dimension	Specification(mm typical)
Length	L	240
Width	W	165
Height	H	95

### Carton Size



Description	Dimension	Specification(mm typical)
Length	L	525
Width	W	375
Height	H	270