

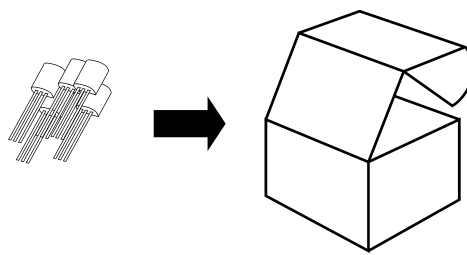
TO-92 Packing Options / Ordering Instructions

GENERAL DESCRIPTION

The TO-92 is an axial leaded, flat index package. The primary shipping methods are tape-and-reel, or radial ammo pack. These systems simplify the handling of the TO-92 for automated circuit board assembly systems.

NOTE: Please check with your National local representative for details specific to your product needs.

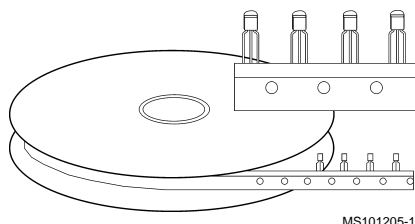
Bulk Packing	
No suffix to Part Number required. Quantities: 1,800 units per box	Example: LM2936Z-5.0



Bulk Packing

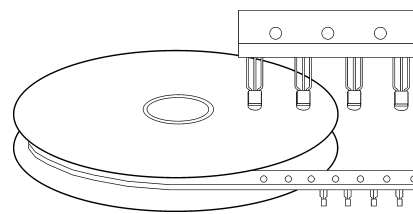
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Taped Pack Options	
1. Suffixes T1, T2, T7 and T8 indicate Tape & Reel pack Quantities: 2,000 units per reel	Example: LM2936Z-5.0 T1



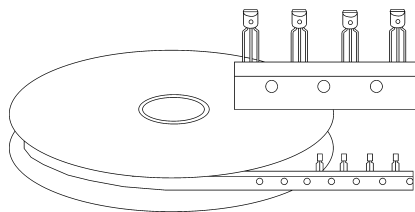
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T1 Tape & Reel
Package Up, Flat Side Up



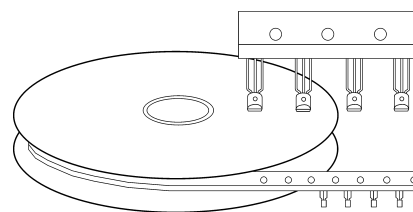
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T2 Tape & Reel
Package Down, Flat Side Up.



MS101205-2

T7 Tape & Reel
Package Up, Flat Side Down



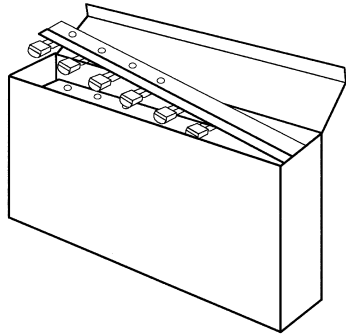
MS101205-10

T8 Tape & Reel
Package Down, Flat Side Down.

Other options available on request

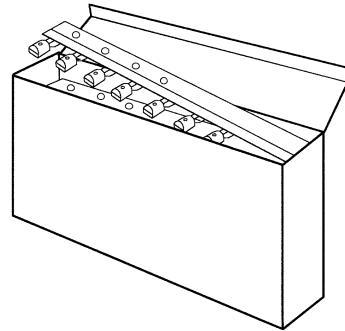
2. Suffixes T3 and T4 indicate Tape & Ammo box pack
Quantities: 2,000 units per Ammo Box

Example:
LM2936Z-5.0 T3



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T3 Radial Ammo Pack
Ammo Pack equivalent to option T1. Flat side of transistor on adhesive side of tape.

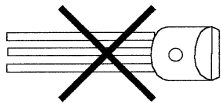


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T4 Radial Ammo Pack
Ammo Pack equivalent to option T7. Round side of transistor on adhesive side of tape.

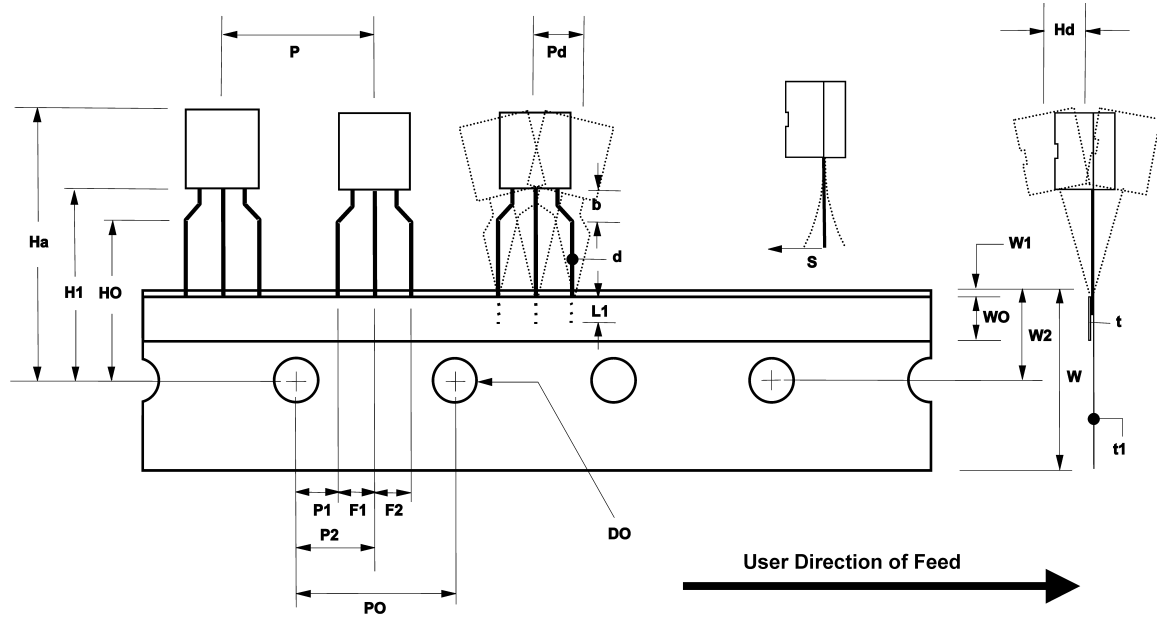
Other options available on request

NOTE: No straight leads available on taped product!



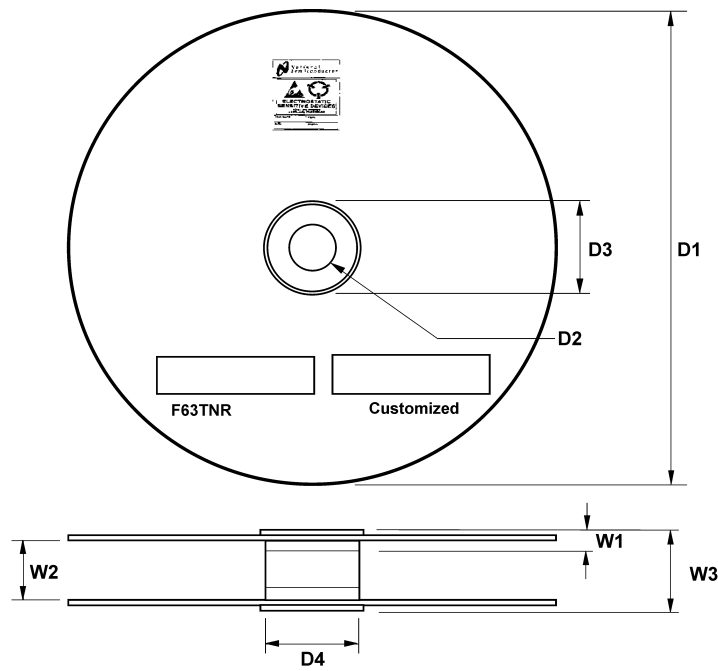
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TO-92 Tape and Reel Dimensions



MS101205-6

Item Description	Symbol	Dimension (mm)
Base of Package to Lead Bend	b	3.00 ± 0.40
Component Height	Ha	24.00 ± 0.50
Lead Clinch Height	HO	16.00 ± 0.40
Component Base Height	H1	19.00 ± 0.40
Component Alignment (side/side)	Pd	0.80 max
Component Alignment (front/back)	Hd	1.00 max
Component Pitch	P	12.70 ± 0.60
Feed Hole Pitch	PO	12.70 ± 0.20
Hole Center to First Lead	P1	3.75 ± 0.30
Hole Center to Component Center	P2	6.35 ± 0.30
Lead Spread	F1/F2	2.60 +0.30/-0.20
Lead Thickness	d	0.45 +1.00/-0.05
Taped Lead Length	L1	2.50 max
Taped Lead Thickness	t	0.70 ± 0.20
Carrier Tape Thickness	t1	0.40 ± 0.05
Carrier Tape Width	W	18.50 ± 0.20
Hold - down Tape Width	WO	6.00 ± 0.40
Hold - down Tape position	W1	0.30 +0.20/-0.30
Feed Hole Position	W2	9.00 ± 0.40
Sprocket Hole Diameter	DO	4.00 ± 0.20
Lead Spring Out	S	0.40 max




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Item Description	Symbol	Dimensions (mm)
Reel Diameter	D1	360.00 ± 1.00
Arbor Hole Diameter (Standard)	D2	30.50 ± 0.05
Arbor Hole Diameter (Small Hole)	D2	7.00 ± 0.05
Core Diameter	D3	90.00 ± 0.05
Hub Recess Inner Diameter	D4	76.00 ± 0.05
Hub Recess Depth	W1	10.70 ± 0.50
Flange to Flange Inner Width	W2	41.00 ± 1.00
Hub to Hub Center Width	W3	50.40 ± 1.70

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