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TO92

JEDEC TO-92 Package

TopLine Dummy Component For training, practice and evaluation

Quick Specs:

Pin Count 3L - Plastic Body Pitch 0.050" (1.27mm) Pitch 0.100" (2.54mm) Optional





See Page 2-3 for Outline Drawing

Use and Applications:

IPC Solder Training & Practice Equipment Evaluation Prototype PWB

Availability:

Delivery Stock to 4 weeks

Part Numbers:

SnPb (Tin-Lead)

TO92 = 0.050" (1.27mm) Pitch TO92-.2 = 0.10" (2.54mm) Pitch TO92A-.2 = 0.10" (2.54mm) Pitch TO92TR-.2 = 0.10" (2.54mm) Pitch

Lead Free (RoHS) Pb-Free

TO92-TIN = 0.050" (1.27mm) Pitch TO92-.2-TIN = 0.10" (2.54mm) Pitch TO92A-.2-TIN = 0.10" (2.54mm) Pitch

Part Numbering System

ТО92	Α	-	.2	-	Option
Jedec Series	Packaging	-	Pitch	_	Plating

Blank = SnPb

Blank = Snf

Plastic Case Blank = Bulk
A = Ammo Tape
TR= Tape & Reel

Blank = 0.050" 1.27mm
.2 = 0.10" 2.54mm

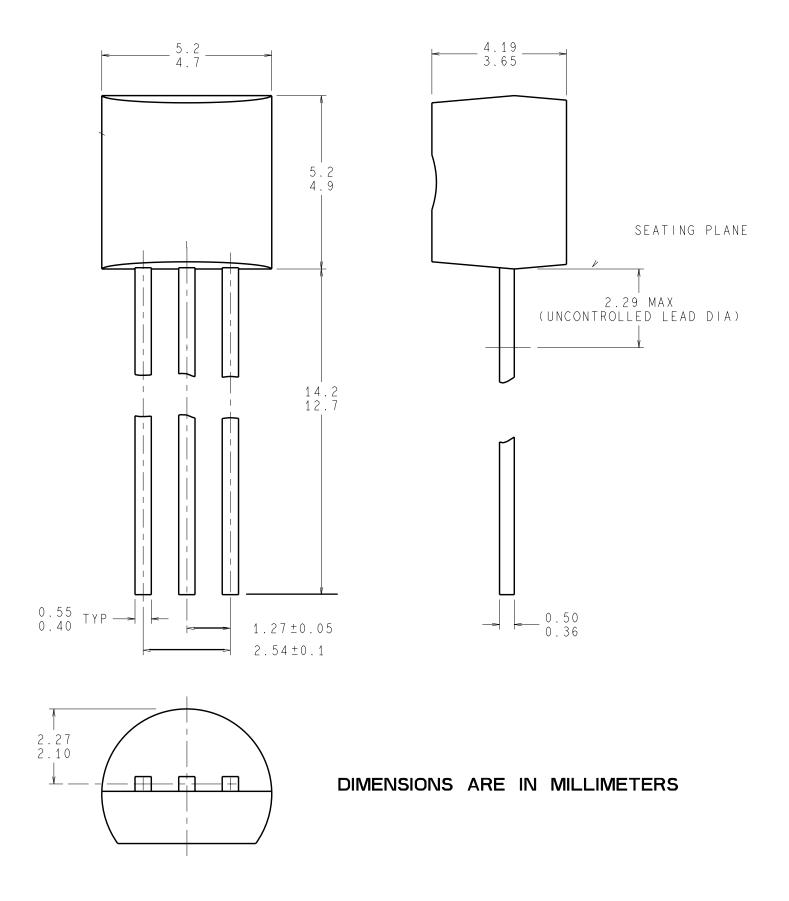
TIN = Sn100 RoHS Lead Free Pb-Free

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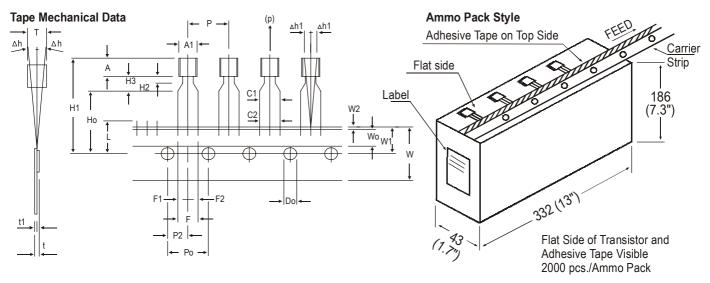


NOTES: UNLESS OTHERWISE SPECIFIED

- 1. STANDARD LEAD FINISH: LEAD/TIN 40/60 OVER COPPER A194 OR EQUIVALENT.
- 2. REFERENCE JEDEC REGISTRATION TO-226, VARIATION AA.

TO-92, MOLDED, 3 LEAD

TO-92 Transistors on Tape and Ammo Pack



All dimensions are in mm

		SPECIFICATION				
ITEM	SYMBOL	MIN.	NOM.	MAX.	TOL.	
BODY WIDTH	A1	4.0		4.8		1
BODY HEIGHT	Α	4.8		5.2		
BODY THICKNESS	Т	3.9		4.2		
PITCH OF COMPONENT	Р		12.7		± 1.0	
*1FEED HOLE PITCH *2 FEED HOLE CENTRE TO	Ро		12.7		± 0.3	
COMPONENT CENTRE	P2		6.35		± 0.4	
DISTANCE BETWEEN OUTER LEADS	F		5.08		+ 0.6 - 0.2	
*3 COMPONENT ALIGNMENT SIDE VIEW	∆h		0	1.0		
*4 COMPONENT ALIGNMENT FRONT VIEW	∆h1		0	1.3		
TAPE WIDTH	W		18		± 0.5	
HOLD-DOWN TAPE WIDTH	Wo		6		± 0.2	
HOLE POSITION	W1		9		+ 0.7	
					- 0.5	
HOLD-DOWN TAPE POSITION	W2		0.5		± 0.2	
LEAD WIRE CLINCH HEIGHT	Но		16		± 0.5	
COMPONENT HEIGHT	H1			23.25		
LENGTH OF SNIPPED LEADS	L			11.0		
FEED HOLE DIAMETER	Do		4		± 0.2	
*5 TOTAL TAPE THICKNESS	t			1.2		
LEAD - TO - LEAD DISTANCE	F1, F2		2.54		+ 0.4 - 0.1	
STAND OFF	H2	0.45		1.45	- 0.1	
CLINCH HEIGHT	Н3			3.0		
LEAD PARALLELISM	C1 - C2			0.22		
PULL - OUT FORCE	(p)	6N				

NOTES

- 1. Maximum alignment deviation between leads will not to be greater than 0.2mm.
- 2. Maximum non-cumulative variation between tape feed holes shall not exceed 1 mm in 20 pitches.
- 3. Holddown tape will not exceed beyond the edge(s) of carrier tape and there shall be no exposure of adhesive.
- 4. There will be no more than three (3) consecutive missing components in a tape.
- 5. A tape trailer, having at least three feed holes are provided after the last component in a tape.
- 6. Splices should not interfere with the sprocket feed holes.

REMARKS

- *1 Cumulative pitch error 1.0 mm/20 pitch
- *2 To be measured at bottom of clinch
- *3 At top of body
- *4 At top of body
- *5 t1 0.3 0.6 mm

Packing Details

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PACKAGE	STANDARD PACK		INNER CARTON BOX		OUTER CARTON BOX					
	Details	Net Weight/Qty	Size	Qty	Size	Qty	Gr Wt			
TO-92 Bulk	1K/bag	200 gm/1K pcs	3" x 7.5" x 7.5"	5K	17" x 15" x 13.5"	80K	23 kgs			
TO-92 A	2K/ammo box	645 gm/2K pcs	12.5" x 8" x 1.8"	2K	17" x 15" x 13.5"	32K	12.5 kgs			