

TO-92 Tape and Reel Data

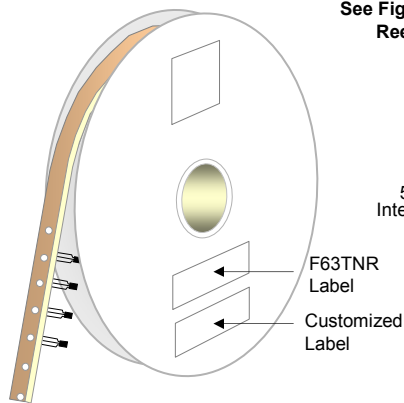
TO-92 Packaging

Configuration: Figure 1.0

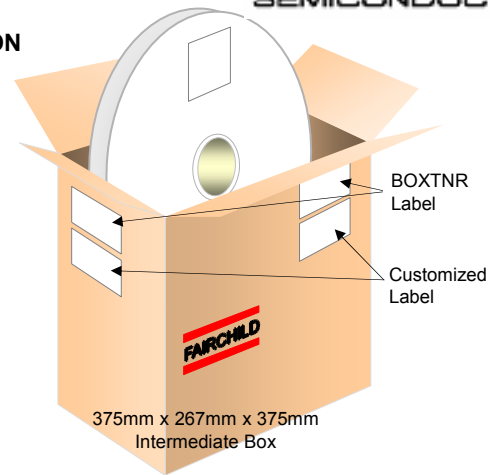


TAPE and REEL OPTION

See Fig 2.0 for various Reeling Styles

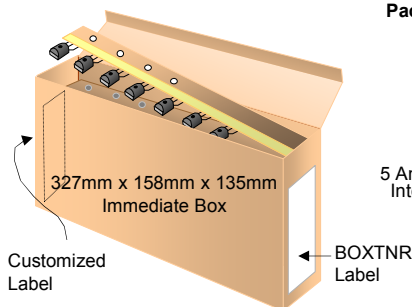


5 Reels per Intermediate Box

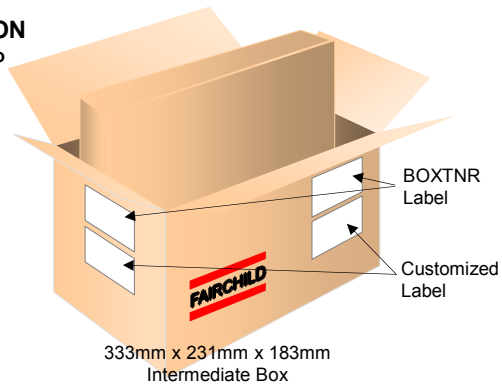


AMMO PACK OPTION

See Fig 3.0 for 2 Ammo Pack Options



5 Ammo boxes per Intermediate Box



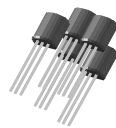
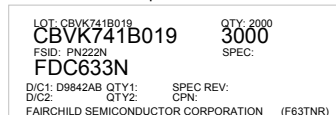
BULK OPTION

See Bulk Packing Information table

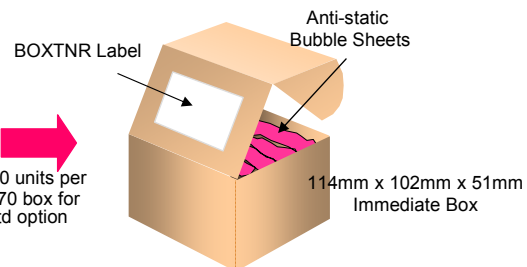
BOXTNR Label sample



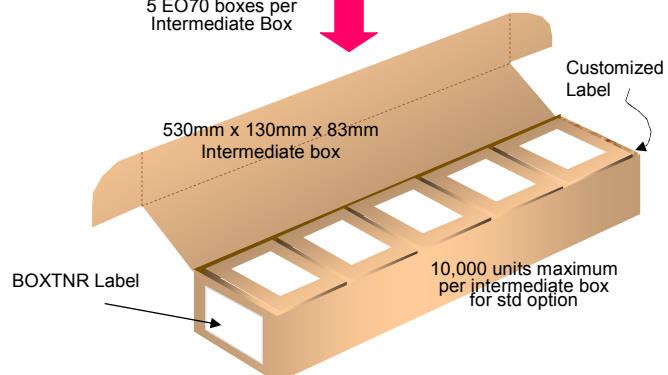
F63TNR Label sample



2000 units per EO70 box for std option



5 EO70 boxes per Intermediate Box



TO-92 Tape and Reel Data, continued



TO-92 Packing

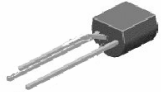
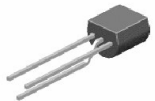
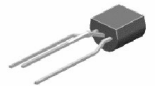
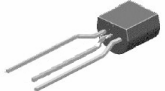
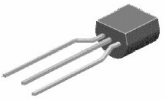
Information: Figure 2.0

TO-92 TNR/AMMO PACKING INFORMATION TABLE

Packing	Style	Quantity	EOL code
Reel	A	2,000	D26Z
	B	2,000	D11Z
	C	2,000	D28Z
	D	2,000	D10Z
	E	2,000	D27Z
	F	2,000	D81Z
	G	2,000	D29Z
	H	2,000	D89Z
Ammo	M	2,000	D74Z
	P	2,000	D75Z

Unit weight = 0.22 gm
 Reel weight with components = 1.04 kg
 Ammo weight with components = 1.02 kg
 Max quantity per intermediate box = 10,000 units

TO-92 BULK PACKING INFORMATION TABLE

EOL CODE / FLOW OPTION	DESCRIPTION	LEADCLIP DIMENSION	MINIMUM ORDER QTY	LEADFORM OUTLINE
NO EOL CODE	STRAIGHT LEADS	NO LEAD CLIP	2.0K / BOX	
J18Z	TO-18 OPTION STD	NO LEAD CLIP	2.0K / BOX	
J35Z	TO-18 OPTION REVERSE	NO LEAD CLIP	2.0K / BOX	
J05Z	TO-5 OPTION STD	NO LEAD CLIP	1.5K / BOX	
J60Z	TO-5 OPTION REVERSE	NO LEAD CLIP	1.5K / BOX	
J61Z	IN LINE 0.200 SPACING	NO LEAD CLIP	1.5K / BOX	

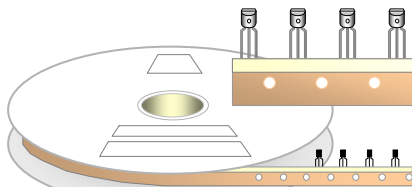
TO-92 Tape and Reel Data, continued

TO-92 Reeling Style

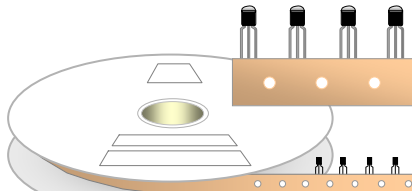
Configuration: Figure 3.0



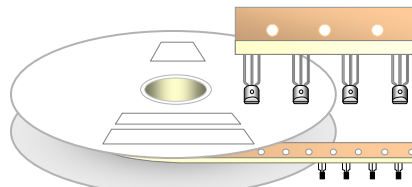
Machine Option "A" (H)



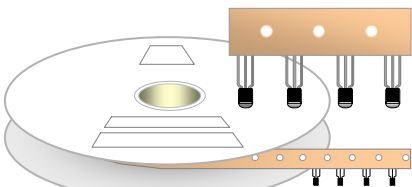
Style "A", D26Z



Style "B", D11Z

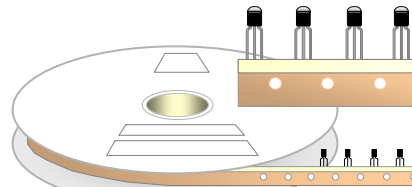


Style "C", D28Z

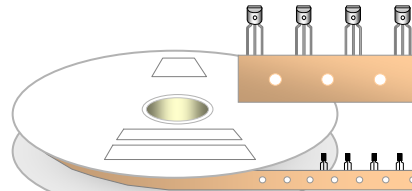


Style "D", D10Z

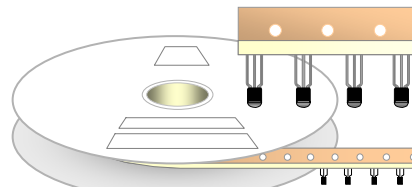
Machine Option "E" (J)



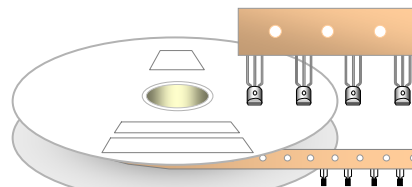
Style "E", D27Z



Style "F", D81Z



Style "G", D29Z

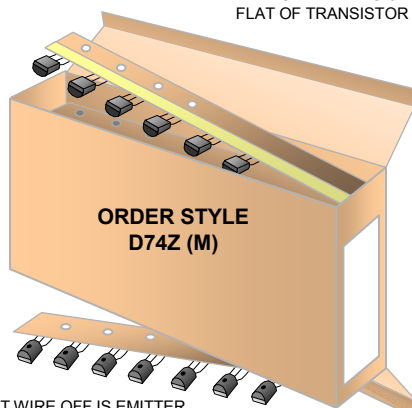


Style "H", D89Z

TO-92 Radial Ammo Packaging

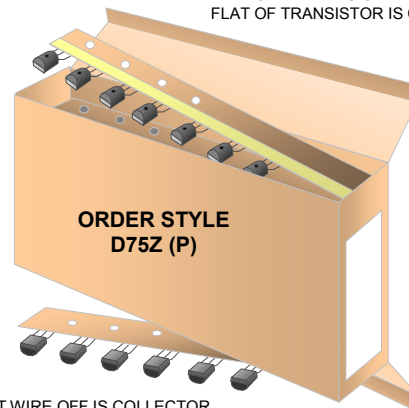
Configuration: Figure 4.0

FIRST WIRE OFF IS COLLECTOR
ADHESIVE TAPE IS ON THE TOP SIDE
FLAT OF TRANSISTOR IS ON TOP



FIRST WIRE OFF IS EMITTER
ADHESIVE TAPE IS ON BOTTOM SIDE
FLAT OF TRANSISTOR IS ON BOTTOM

FIRST WIRE OFF IS EMITTER
ADHESIVE TAPE IS ON THE TOP SIDE
FLAT OF TRANSISTOR IS ON BOTTOM

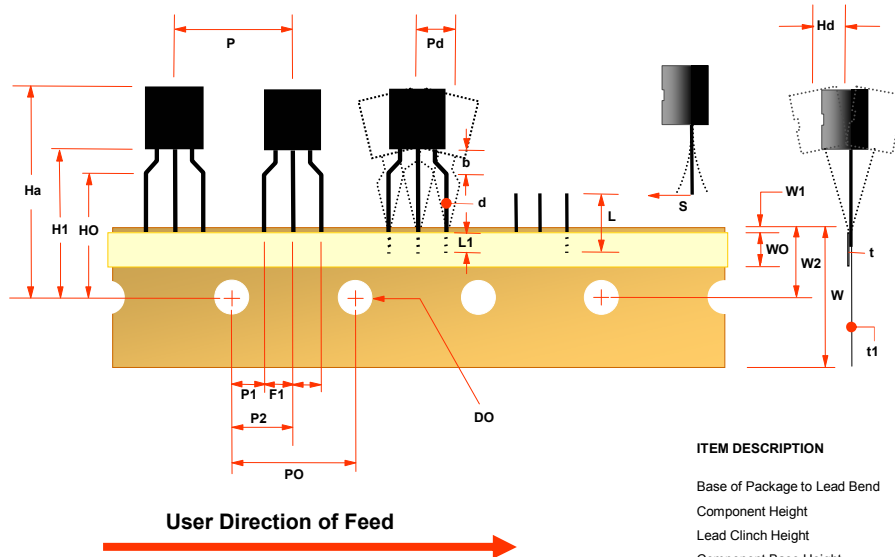


FIRST WIRE OFF IS COLLECTOR
ADHESIVE TAPE IS ON BOTTOM SIDE
FLAT OF TRANSISTOR IS ON TOP

TO-92 Tape and Reel Data, continued

TO-92 Tape and Reel Taping

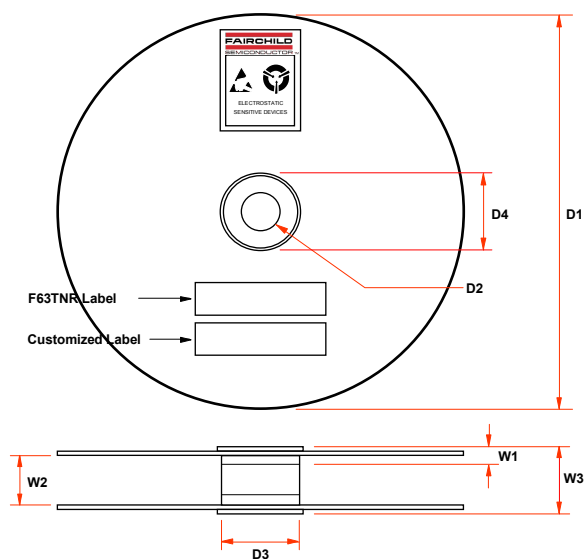
Dimension Configuration: Figure 5.0



ITEM DESCRIPTION	SYMBOL	DIMENSION
Base of Package to Lead Bend	b	0.098 (max)
Component Height	Ha	0.928 (+/- 0.025)
Lead Clinch Height	HO	0.630 (+/- 0.020)
Component Base Height	H1	0.748 (+/- 0.020)
Component Alignment (side/side)	Pd	0.040 (max)
Component Alignment (front/back)	Hd	0.031 (max)
Component Pitch	P	0.500 (+/- 0.020)
Feed Hole Pitch	PO	0.500 (+/- 0.008)
Hole Center to First Lead	P1	0.150 (+0.009, -0.010)
Hole Center to Component Center	P2	0.247 (+/- 0.007)
Lead Spread	F1/F2	0.104 (+/- 0.010)
Lead Thickness	d	0.018 (+0.002, -0.003)
Cut Lead Length	L	0.429 (max)
Taped Lead Length	L1	0.209 (+0.051, -0.052)
Taped Lead Thickness	t	0.032 (+/- 0.006)
Carrier Tape Thickness	t1	0.021 (+/- 0.006)
Carrier Tape Width	W	0.708 (+0.020, -0.019)
Hold - down Tape Width	WO	0.236 (+/- 0.012)
Hold - down Tape position	W1	0.035 (max)
Feed Hole Position	W2	0.360 (+/- 0.025)
Sprocket Hole Diameter	DO	0.157 (+0.008, -0.007)
Lead Spring Out	S	0.004 (max)

Note : All dimensions are in inches.

TO-92 Reel Configuration: Figure 6.0



ITEM DESCRIPTION	SYMBOL	MINIMUM	MAXIMUM
Reel Diameter	D1	13.975	14.025
Arbor Hole Diameter (Standard)	D2	1.160	1.200
(Small Hole)	D2	0.650	0.700
Core Diameter	D3	3.100	3.300
Hub Recess Inner Diameter	D4	2.700	3.100
Hub Recess Depth	W1	0.370	0.570
Flange to Flange Inner Width	W2	1.630	1.690
Hub to Hub Center Width	W3		2.090

Note: All dimensions are inches

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