

TO-92 Plastic Package Transistors (NPN)

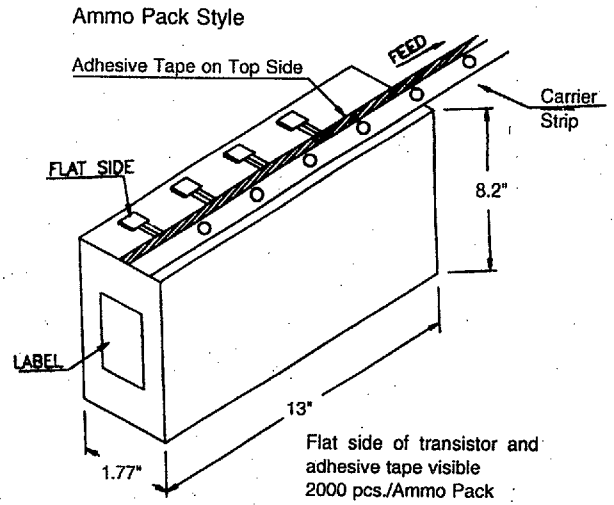
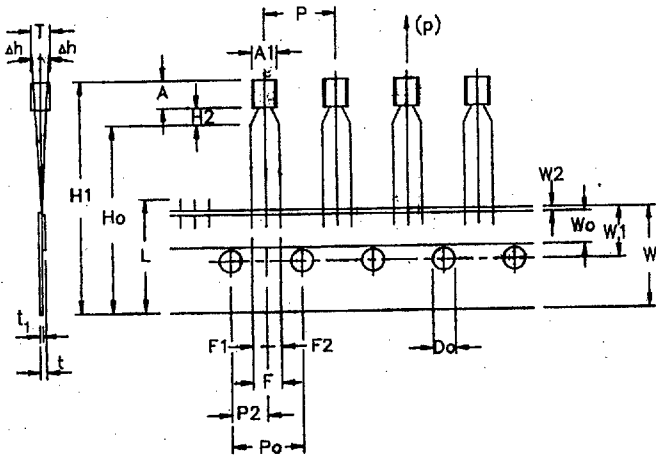
CDIL

查询"2N3877A"供应商

Maximum Ratings										Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)											
Type No.	V _{CB0} (V) Min	V _{CEO} (V) Min	V _{EBO} (V) Min	P _D (W) @Tc=25°C	I _C (A)	I _{CB0} (μA) Max	V _{CB} @ (V)	I _{CES} (μA) Max	V _{CE} @ (V)	h _{FE} @ Min Max	I _C & V _{CE} (mA) 10 10	V _{CE(SAT)} (V) Max Min	V _{BE(SAT)} (V) Max	I _C @ (mA)	C _{ob} (pF) Typ Max	f _T (MHz) Min Typ Max	t _{on} (ns) Max	N _F (dB) Max	Freq @ (MHz)	C _{re} (pF) Max	CDIL Case Style
2N3693	45	45	4	0.625	0.5	0.05	35			40	160	10	10		3.5	200		10		4	TO-92
2N3694	45	45	4	0.625	0.5	0.05	35			100	400	10	10		3.5	200		10		4	TO-92
2N3704	50	30	5	0.625	0.6	0.1	20			100	300	50	2	0.6	100		50				TO-92-1
2N3705	50	30	5	0.625	0.6	0.1	20			50	150	50	2	0.8	100		50				TO-92-1
2N3708	30	30	6	0.625	0.25	0.1	20			45	660	1	5	1	10						TO-92-1
2N3709		30		0.625	0.25	0.1	20			45	165	1	5	1	10						TO-92-1
2N3710	30	30	6	0.625	0.25	0.1	20			90	330	1	5	1	10						TO-92-1
#2N3721	18	18	5	0.625	0.1	0.5	18			60	660	2	10		12						TO-92-1
2N3794	40	20	5	0.625	0.6	0.5	15			100	100	10	10	0.4	100	100	600	10			TO-92-1
										35	600	1	10								
2N3825	30	15	4	0.625	0.1	0.1	15			20	2	10	2	0.25	3.5	200	800	2	5.5	1	TO-92-1
2N3827	60	45	4	0.625	0.5	0.1	30			100	400	10	10		3.5	200	800	10			TO-92-1
2N3858	30	30	4	0.625	0.1	0.5	18			60	120	2	4.5		4	90	250	2			TO-92-1
2N3858A	60	60	6	0.625	0.05	0.5	18			60	120	10	1		4	90	250	2			TO-92-1
										45	1	1									
2N3859	30	30	4	0.625	0.1	0.5	18			100	200	2	4.5		4	90	250	2			TO-92-1
2N3860	30	30	4	0.625	0.1	0.5	18			150	300	2	4.5		4	90	250	2			TO-92-1
2N3877	70	70	4	0.625	0.05	0.5	70			20	250	2	4.5	0.5	0.9	10					TO-92-1
2N3877A	85	85	4	0.625	0.05	0.5	70			20	250	2	4.5	0.5	0.9	10					TO-92-1
2N3900	18	18	5	0.625	0.1	0.1	18			250	500	2	4.5		12						TO-92-1
2N3900A	18	18	5	0.625	0.05	0.1	18			250	500	2	4.5		12						TO-92-1
2N3901	18	18	5	0.625	0.05	0.1	15			350	700	2	4.5								TO-92-1
2N3903	60	40	6	0.625	0.2			*0.05	30	20	0.1	1	0.2	0.65	0.85	10				6	TO-92
										35	1	1	0.3		0.95	50					
										50	150	10	1								
										30	50	1									
										15	100	1									
2N3904	60	40	6	0.625	0.2			*0.05	30	40	0.1	1	0.2	0.65	0.85	10				5	TO-92
										70	1	1	0.3		0.95	50					
										100	300	10	1								
										60	50	1									
										30	100	1									
2N4286	30	25	6	0.625	0.05	0.05	25	0.4	20	150	600	1	5	0.35	0.8	1	6	40			TO-92-1
										100		0.1	5								
2N4287	45	45	7	0.625	0.05	0.01	30			150	600	1	5	0.35	0.8	1	6	40			TO-92-1
										100		0.1	5								
2N4292	30	15	3	0.625	0.05	0.5	15			20	3	1	0.6	10	3.5	600		4	6	60	TO-92-1
2N4293	30	15	3	0.625	0.05	0.5	15			20	3	1	0.6	10	3.5	600		4	6	60	TO-92-1

NOTE : HFE values are hfe(min) & hfe (max) at 1.00 kHz * I_{CEX}

MECHANICAL DATA



Item	Symbol	Specification				Remarks
		Min.	Nom.	Max.	Tol.	
Body Width	A1	4.0		4.8		
Body Height	A	4.8		5.2		
Body Thickness	T	3.9		4.2		
Pitch of Component	P		12.7		±1	
Feed Hole Pitch	Po		12.7		±0.3	Cumulative Pitch Error 1.0 mm/20 Pitch
Feed Hole Centre to Component Centre	P2		6.35		±0.4	To be measured at bottom of Clinch
Distance between Outer Leads	F		5.08		±0.6	
Component Alignment	Δh		0	1	-0.2	At Top of Body
Tape Width	W		18		±0.5	
Hold-Down Tape Width	Wo		6		±0.2	
Hole Position	W1		9		±0.7	
Hold-Down Tape Position	W2		0.5		±0.2	
Lead Wire Clinch Height	Ho		16		±0.5	
Component Height	H1			32.25		
Length of Snipped leads	L			11.0		
Feed Hole Diameter	Do		4		±0.2	
Total Tape Thickness	t			1.2		t ₁ 0.3-0.6
Lead-to-Lead Distance	F1,F2		2.54		+0.4 -0.1	
Clinch Height	H2			3		
Pull-out Force	(p)	6N				

Dimensions in m.m.

- Notes:**
1. Maximum alignment deviation between leads not to be greater than 0.2 mm.
 2. Maximum non-cumulative variation between tape feed holes shall not exceed 1 mm in 20 pitches
 3. Hold-down tape not to exceed beyond the edge(s) of carrier tape and there shall be no exposure of adhesive.
 4. No more than 3 consecutive missing components permitted.
 5. A tape trailer, having at least three feed holes is required after the last component.
 6. Splices shall not interfere with the sprocket feed holes.