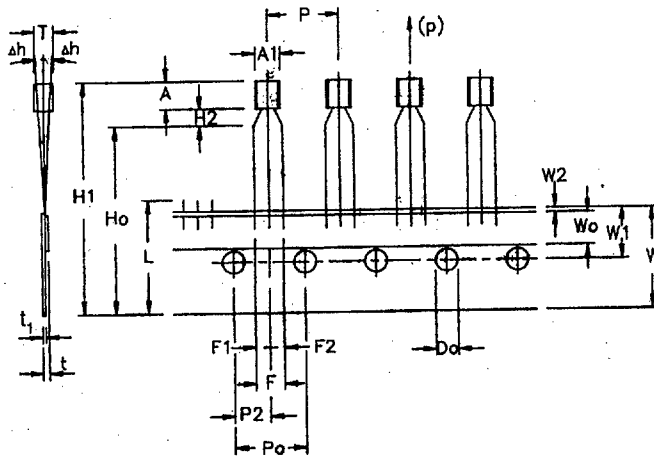


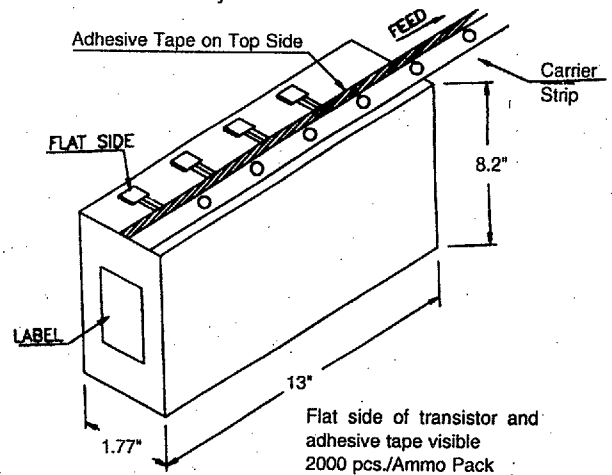
Maximum Ratings						Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																				
Type No.	V _{CB0} (V) Min	V _{CEO} (V) Min	V _{EB0} (V) Min	P _D (W) @Tc=25°C	I _C (A)	I _{CB0} (μA) Max	V _{CB} (V) @	I _{CES} (μA) Max	V _{CE} (V) @	h _{FE} Min	β Max	I _C & (mA)	V _{CE} (V)	V _{CE(SAT)} (V) Max	V _{BE(SAT)} (V) Max	I _C (mA) @	C _{ob} (pF) Typ	f _T (MHz) Min	β Typ	I _C (mA) Max	t _{on} (ns) Max	N _F (dB) Max	@ Freq (MHz)	C _{re} (pF) Max	CDIL Case Style	
2N6515	250	250	6	0.625	0.5	0.05	150			35		1	10	0.3		0.75	10	6	40	200	10	3.5				TO-92
										50		10	10	0.35		0.85	20									
										50	300	30	10	0.5		0.9	30									
										45	220	50	10	1		50										
										25		100	10													
2N6516	300	300	6	0.625	0.5	0.05	200			30		1	10	0.3		0.75	10	6	40	200	10	3.5				TO-92
										45		10	10	0.35		0.85	20									
										45	270	30	10	0.5		0.9	30									
										40	200	50	10	1		50										
										20		100	10													
2N6517	350	350	6	0.625	0.5	0.05	250			20		1	10	0.3		0.75	10	6	40	200	10	3.5				TO-92
										30		10	10	0.35		0.85	20									
										30	200	30	10	0.5		0.9	30									
										20	200	50	10	1		50										
										15		100	10													
BC168	30	20	5	0.3	0.1			0.015	30	120	800	2	5	0.6		1.05	100	3.5	6	150	250	10	10		TO-92-1	
										0.2		0.83	10													
BC168B	30	20	5	0.3	0.1			0.015	30	180	460	2	5	0.6		1.05	100	3.5	6	150	250	10	10		TO-92-1	
										0.2		0.83	10													
BC170	20	20	5	0.3	0.1	0.1	15			35	600	1	1	0.25		0.7	1	4		100	10				TO-92-4	
										0.4		30														
BC170A	20	20	5	0.3	0.1	0.1	15			35	100	1	1	0.25		0.7	1	4		100	10	10			TO-92-4	
										30		30	1	0.4		30										
BC170B	20	20	5	0.3	0.1	0.1	15			80	250	1	1	0.25		0.7	1	4		100	10	10			TO-92-4	
										60		30	1	0.4		30										
BC170C	20	20	5	0.3	0.1	0.1	15			200	600	1	1	0.25		0.7	1	4		100	10	10			TO-92-4	
										150		30	1	0.4		30										
BC172	30	25	6	0.35	0.1			0.015	35	120	800	2	5	0.25		10	4.5	150		10	10	100		TO-92-4		
										0.6		100														
BC172A	30	25	6	0.35	0.1			0.015	35	120	220	2	5	0.25		10	4.5	150		10	10	100		TO-92-4		
										0.6		100														
BC172C	30	25	6	0.35	0.1			0.015	35	380	800	2	5	0.25		10	4.5	150		10	10	100		TO-92-4		
										0.6		100														
BC174	80	65	6	0.35	0.1			0.015	70	120	450	2	5	0.25		10	4.5	150		10	10	100		TO-92-4		
										0.6		100														
BC174B	80	65	6	0.35	0.1			0.015	70	180	460	2	5	0.25		10	4.5	150		10	10	100		TO-92-4		
										0.6		100														
#BC182	60	50	6	0.35	0.1	0.015	50			40		0.01	5	0.6		1.2	100	5	150		10	10	0.001		TO-92-4	
										80		100	5	0.25		10										
										120	500	2	5													
#BC182A	60	50	6	0.35	0.1	0.015	50			40		0.01	5	0.25		10	5	150		10	10	0.001		TO-92-4		
										120	260	2	5	0.6		1.2									100	
										80		100	5													
#BC182B	60	50	6	0.35	0.1	0.015	50			40		0.01	5	0.25		10	5	150	200	10	4			TO-92-4		
										80		100	5	0.6		1.2									100	
										240	500	2	5													

hFE values are hfe(min) & hfe(max) at 100 KHz.

MECHANICAL DATA



Ammo Pack Style



Item	Symbol	Specification				Remarks
		Min.	Nom.	Max.	Tol.	
Body Width	A1	4.0		4.8		Cumulative Pitch Error 1.0 mm/20 Pitch To be measured at bottom of Clinch
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	
Feed Hole Centre to Component Centre	P2		6.35		±0.4	At Top of Body
Distance between Outer Leads	F		5.08		±0.6	
Component Alignment	Δh		0	1	-0.2	
Tape Width	W		18		±0.5	
Hold-Down Tape Width	Wo		6		±0.2	
Hole Position	W1		9		±0.7	t ₁ 0.3-0.6
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		
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:

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