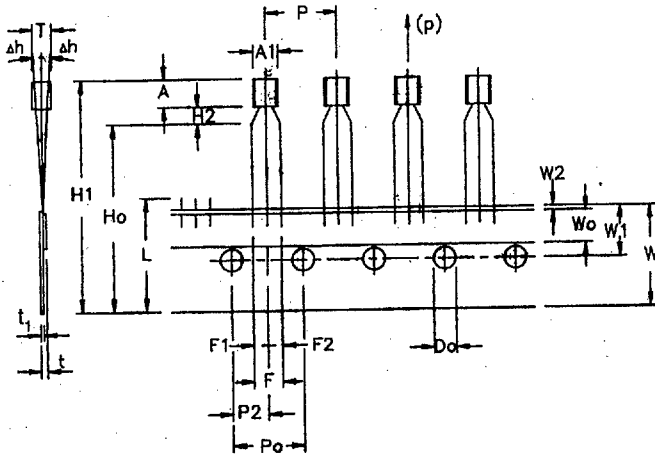
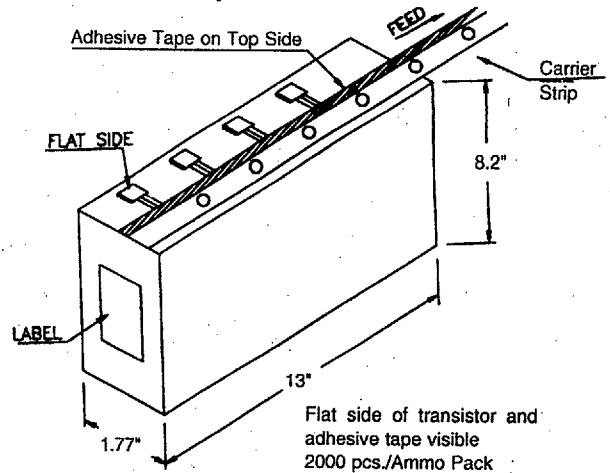


Maximum Ratings						Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																					
Type No.	V _{CB0} (V) Min	V _{CE0} (V) Min	V _{EB0} (V) Min	P _D (W) @ Tc=25°C	I _C (A)	I _{CB0} (μA) Max	V _{CB} (V) @	I _{CES} (μA) Max	V _{CE} (V) @	I _{FE} (mA) Min	β	I _C (mA) &	V _{CE} (V) &	V _{CE(SAT)} (V) Max	V _{BE(SAT)} (V) Min	I _C (mA) Max	C _{ob} (pF) Typ	f _t (MHz) Min	β	I _C (mA) Max	t _{on} (ns) Max	N _F (dB) Max	Freq (MHz) @	C _o (pF) Max	CDIL Case Style		
BCX58-9	32	32	7	0.625	0.1			0.01	32	75		0.01	5	0.5	1	100	1.8	4.5	125		10	800	6	0.001		TO-92-4	
										250	460	2	5														
										160	630	10	1														
										60		100	1														
BCX58-10	32	32	7	0.625	0.1			0.01	32	100		0.01	5	0.5	1	100	1.8	4.5	125		10	800	6			TO-92-4	
										380	630	2	5														
										240	1000	10	1														
										60		100	2														
BCX59	45	45	7	0.625	0.1			0.01	45	120	630	2	5	0.5	1	100	1.8	4.5	125		10	800	6	0.001		TO-92-4	
										80	1000	10	1														
										40		100	1														
										20		0.01	5														
BCX59-7	45	45	7	0.625	0.1			0.01	45	120	220	2	5	0.5	1	100	1.8	4.5	125		10	800	6	0.001		TO-92-4	
										80		10	1														
										40		100	1														
										20		0.01	5														
BCX59-8	45	45	7	0.625	0.1			0.01	45	40		0.01	5	0.5	1	100	1.8	4.5	125		10	800	6	0.001		TO-92-4	
										180	310	2	5														
										120	400	10	1														
										45		100	1														
BCX59-9	45	45	7	0.625	0.1			0.01	45	75		0.01	5	0.5	1	100	1.8	4.5	125		10	800	6	0.001		TO-92-4	
										250	460	2	5														
										160	630	10	1														
										60		100	1														
BCX59-10	45	45	7	0.625	0.1			0.01	45	100		0.01	5	0.5		100	1.8	4.5	125		10	800	6			TO-92-4	
										380	600	2	5	1		100											
										240	1000	10	1														
										60		100	2														
BF196	40	30	4	0.4	0.03	0.1	40			26		4	10													TO-92-2	
										6		12	7														
BF199	40	25	4	0.35	0.1	0.1	20			40		7	10					400			5					TO-92-2	
BF237	45	30	4	0.35	0.1	0.1	20							0.25		10										TO-92-2	
BF238	45	30	4	0.35	0.1	0.1	20							0.25		10										TO-92-2	
BF240	40	40	4	0.35	0.03	0.1	20			65	220	1	10													TO-92-2	
BF241	40	40	4	0.35	0.03	0.1	20			35	125	1	10													TO-92-2	
BF254-3	30	20	5	0.35	0.1	0.1	10			65	125	1	10					260			1					TO-92-2	
BF393	300	300	6	0.625	0.5	0.1	200			25		1	10	2	2	20		50			1			2		TO-92	
										40		10	10														
BF420	300	300	5	0.8	0.5	0.01	200			50		25	20	0.5	2	20		60			10			1.6		TO-92-1	
BF422	250	250	5	0.8	0.5	0.01	200			50		25	20	0.5	2	20		60			10			1.6		TO-92-1	
BF494	30	20	5	0.3	0.03	0.1	20			67	220	1	10				1.5	120		260	1			1		TO-92-2	
BF494A	30	20	5	0.3	0.03	0.1	20			200	500	1	10				1.5	120		260	1			1		TO-92-2	
BF494B	30	20	5	0.3	0.03	0.1	20			100	220	1	10				1.5	120		260	1			1		TO-92-2	
BF495	30	20	5	0.3	0.03	0.1	20			35	125	1	10				1.5	120		260	1			1		TO-92-2	
BF495C	30	20	5	0.3	0.03	0.1	20			67	125	1	10				1.5	120		260	1			1		TO-92-2	
BF495D	30	20	5	0.3	0.03	0.1	20			35	76	1	10				1.5	120		260	1			1		TO-92-2	

MECHANICAL DATA



Ammo Pack Style



Flat side of transistor and adhesive tape visible
2000 pcs./Ammo Pack

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.