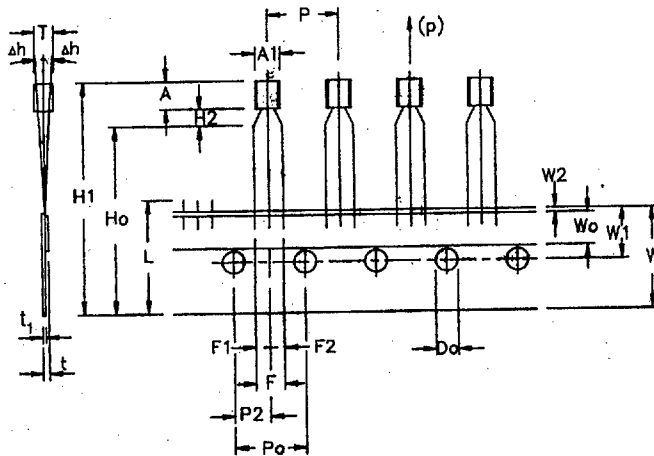
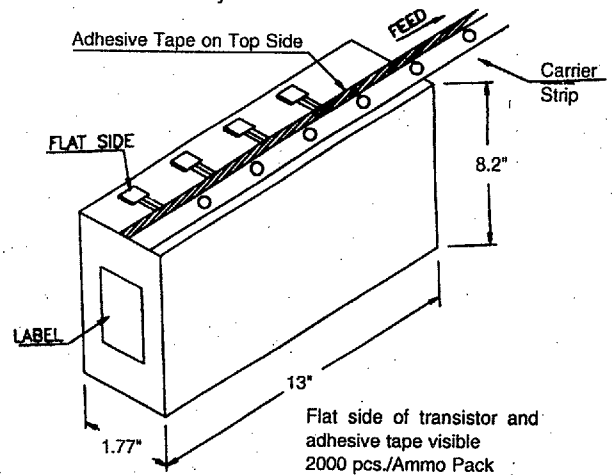


Maximum Ratings						Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																		
Type No.	V _{CBO} (V) Min	V _{CEO} (V) Min	V _{EB0} (V) Min	P _D (W) @ Tc=25°C	I _C (A)	I _{CBO} (μA) Max	V _{CB} (V) @ I _C	I _{CES} (μA) Max	V _{CE} (V) @ I _{CES}	I _{FE} (mA) Min	h _{FE} @ I _C & V _{CE} Max	V _{CE(SAT)} (V) Max	V _{BE(SAT)} (V) Max	I _C (mA) @ V _{CE}	C _{ob} (pF) Typ	f _T (MHz) Min	g _m (mA/V) @ I _C	I _C (mA)	t _{on} (ns) Max	N _F (dB) Max	@ Freq (MHz)	C _{in} (pF) Max	CDIL Case Style	
BCX58-9	32	32	7	0.625	0.1			0.01	32	75 250 160 60	0.01 460 630 100	5 5 1 1	0.5	1	100	1.8	4.5	125	10	800	6	0.001		TO-92-4
BCX58-10	32	32	7	0.625	0.1			0.01	32	100 380 240 60	0.01 630 1000 100	5 5 1 2	0.5	1	100	1.8	4.5	125	10	800	6			TO-92-4
BCX59	45	45	7	0.625	0.1			0.01	45	120 80 40 20	630 1000 100 0.01	5 1 1 5	0.5	1	100	1.8	4.5	125	10	800	6	0.001		TO-92-4
BCX59-7	45	45	7	0.625	0.1			0.01	45	120 80 40 20	220 10 100 0.01	5 1 1 5	0.5	1	100	1.8	4.5	125	10	800	6	0.001		TO-92-4
BCX59-8	45	45	7	0.625	0.1			0.01	45	40 180 120 45	0.01 310 400 100	5 5 1 1	0.5	1	100	1.8	4.5	125	10	800	6	0.001		TO-92-4
BCX59-9	45	45	7	0.625	0.1			0.01	45	75 250 160 60	0.01 460 630 100	5 5 1 1	0.5	1	100	1.8	4.5	125	10	800	6	0.001		TO-92-4
BCX59-10	45	45	7	0.625	0.1			0.01	45	100 380 240 60	0.01 600 1000 100	5 5 1 2	0.5	1	100	1.8	4.5	125	10	800	6			TO-92-4
BF196	40	30	4	0.4	0.03	0.1	40			26 6	4 12	10 7												TO-92-2
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 40	1 10	10 10	2	2	20			50	1				2	TO-92
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



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 To be measured at bottom of Clinch
Feed Hole Centre to Component Centre	P2		6.35		±0.4	
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:

- 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.