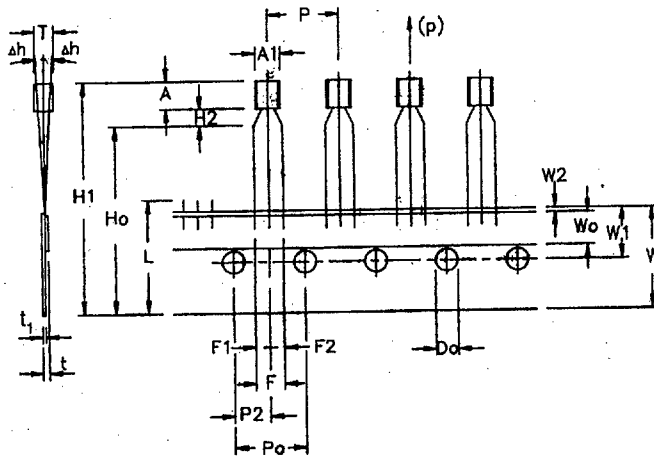
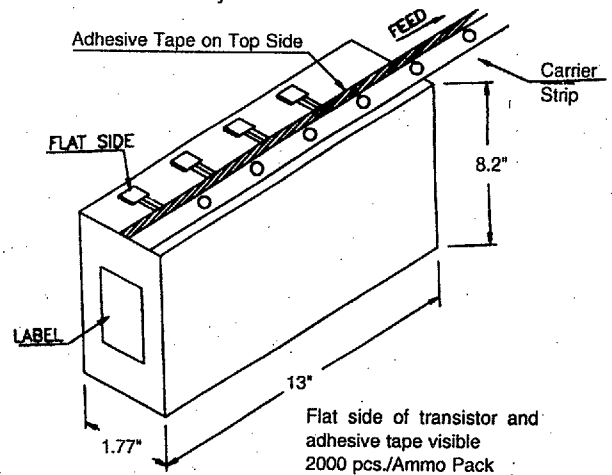


Maximum Ratings							Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)															
Type No.	V _{CB0} (V) Min	V _{CE0} (V) Min	V _{EB0} (V) Min	P _D (W) @Tc=25°C	I _C (A)	I _{CB0} (μA) Max	V _{CB} (V) @ I _C	I _{CES} (μA) Max	V _{CE} (V) @ I _{CES}	h _{FE} @ I _C & V _{CE}	I _C & V _{CE}	V _{CE(SAT)} (V) Max	V _{BE(SAT)} (V) Max	I _C (mA)	C _{ob} (pF) Typ	f _T (MHz) Min	@ I _C (mA)	t _{off} (ns) Max	N _F (dB) Max	@ Freq (MHz)	C _{ie} (pF) Max	CDIL Case Style
CD2383Y	160	160	6	0.7	1	1	150			160 320	200 5	1.5		500	20	20 100	200					TO-92-1
CD8050B	30	25	6	1.0	2	0.5	20			85 160	100 1	0.5	1.2	800	20	150	100					TO-92
										40	800 1											
CD8050C	30	25	6	1.0	2	0.5	20			120 200	100 1	0.5	1.2	800	20	150	100					TO-92
										40	800 1											
CD8050D	30	25	6	1.0	2	0.5	20			160 300	100 1	0.5	1.2	800	20	150	100					TO-92
										40	800 1											
CD9011	50	30	5	0.4	0.1	0.05	18			29 273	1 5	0.3		10	3.5	250	10		4			TO-92
CD9011D	50	30	5	0.4	0.1	0.05	18			29 44	1 5	0.3		10	3.5	250	10		4	0.001		TO-92
CD9011E	50	30	5	0.4	0.1	0.05	18			40 59	1 5	0.3		10	3.5	250	10		4	0.001		TO-92
CD9011F	50	30	5	0.4	0.1	0.05	18			54 80	1 5	0.3		10	3.5	250	10		4	0.001		TO-92
CD9011G	50	30	5	0.4	0.1	0.05	18			72 108	1 5	0.3		10	3.5	250	10		4	0.001		TO-92
CD9011H	50	30	5	0.4	0.1	0.05	18			97 146	1 5	0.3		10	3.5	250	10		4	0.001		TO-92
CD9011I	50	30	5	0.4	0.1	0.05	18			132 198	1 5	0.3		10	3.5	250	10		4	0.001		TO-92
CD9011J	50	30	5	0.4	0.1	0.05	18			182 273	1 5	0.3		10	3.5	250	10		4	0.001		TO-92
CD9013	40	30	5	0.625	0.5	0.1	25			64 465	50 1	0.2 0.6	1 1.2	150 500	10	200	50		6	0.001		TO-92
CD9013D	40	30	5	0.625	0.5	0.1	25			64 91	50 1	0.2 0.6	1 1.2	150 500	10	200	50		6	0.001		TO-92
CD9013E	40	30	5	0.625	0.5	0.1	25			78 112	50 1	0.2 0.6	1 1.2	150 500	10	200	50		6	0.001		TO-92
CD9013F	40	30	5	0.625	0.5	0.1	25			96 135	50 1	0.2 0.6	1 1.2	150 500	10	200	50		6	0.001		TO-92
CD9013G	40	30	5	0.625	0.5	0.1	25			118 166	50 1	0.2 0.6	1 1.2	150 500	10	200	50		6	0.001		TO-92
CD9013H	40	30	5	0.625	0.5	0.1	25			144 202	50 1	0.2 0.6	1 1.2	150 500	10	200	50		6	0.001		TO-92
CD9013I	40	30	5	0.625	0.5	0.1	25			182 305	50 1	0.2 0.6	1 1.2	150 500	10	200	50		6	0.001		TO-92
CD9013J	40	30	5	0.625	0.5	0.1	25			278 465	50 1	0.2 0.6	1 1.2	150 500	10	200	50		6	0.001		TO-92
CD9014	50	50	5	0.625	0.1	0.05	50			60 1000	1 5	0.3	1	100	3.5	125	10		4	0.001		TO-92
CD9014A	50	50	5	0.625	0.1	0.05	50			60 150	1 5	0.3	1	100	3.5	125	10		4	0.001		TO-92
CD9014B	50	50	5	0.625	0.1	0.05	50			100 300	1 5	0.3	1	100	3.5	125	10		4	0.001		TO-92
CD9014C	50	50	5	0.625	0.1	0.05	50			200 600	1 5	0.3	1	100	3.5	125	10		4	0.001		TO-92
CD9014D	50	50	5	0.625	0.1	0.05	50			400 1000	1 5	0.3	1	100	3.5	125	10		4	0.001		TO-92

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	
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	W _o		6		± 0.2	
Hole Position	W ₁		9		± 0.7	
Hold-Down Tape Position	W ₂		0.5		± 0.2	
Lead Wire Clinch Height	H _o		16		± 0.5	
Component Height	H ₁			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	F ₁ , F ₂		2.54		+0.4 -0.1	
Clinch Height	H ₂			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.