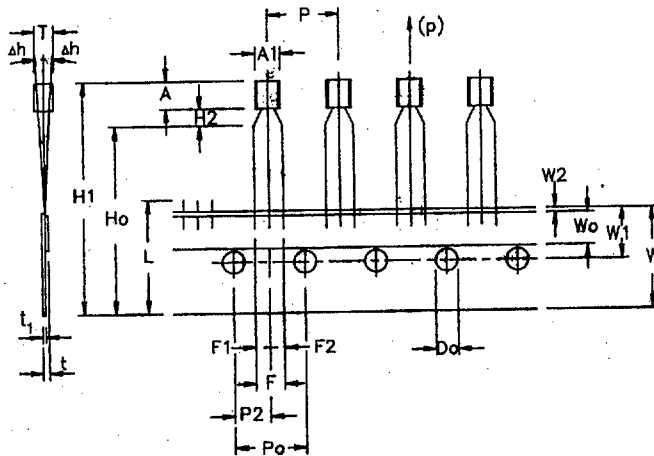
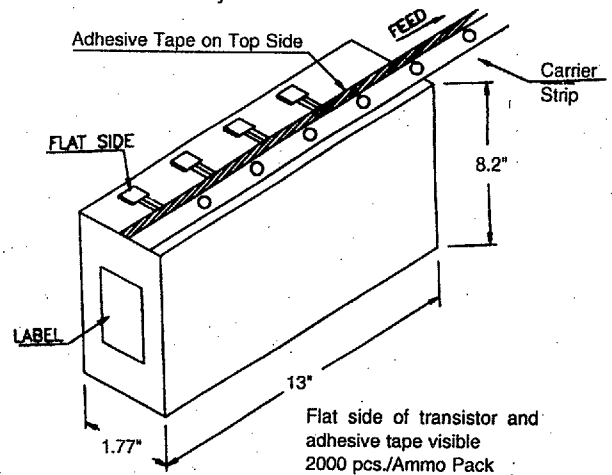


Maximum Ratings							Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																	
Type No.	V _{CB0} (V) Min	V _{CE0} (V) Min	V _{EB0} (V) Min	P _D (W) @Tc=25°C	I _C (A)	I _{CB0} (μA) Max	V _{CB} (V) @ (V)	I _{CES} (μA) Max	V _{CE} (V) @ (V)	h _{FE} @ Min Max	I _C & (mA)	V _{CE} (V)	V _{CE(SAT)} (V) Max Min	V _{BE(SAT)} (V) Max	I _C (mA) @ (mA)	C _{ob} (pF) Typ Max	f _T (MHz) Min Typ Max	t _{on} (ns) Max	N _F (dB) Max	@ Freq (MHz)	C _{in} (pF) Max	CDIL Case Style		
CD9012D	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	
CD9012E	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	
CD9012F	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	
CD9012G	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	
CD9012H	40	30	5	0.625	0.5	0.1	25			144 202	50 1		0.2 0.6	1 1.2	150 500	12	200		100		6 0.001		TO-92	
CD9012I	40	30	5	0.625	0.5	0.1	25			180 350	50 1		0.2 0.6	1 1.2	150 500	10	200		50		6 0.001		TO-92	
CD9012J	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	
CD9015	50	50	5	0.625	0.1	0.05	50			60 1000	1 5		0.7	1	100	3.5	125		10		4 0.001		TO-92	
CD9015A	50	50	5	0.625	0.1	0.05	50			60 150	1 5		0.7	1	100	3.5	125		10		4 0.001		TO-92	
CD9015B	50	50	5	0.625	0.1	0.05	50			100 300	1 5		0.7	1	100	6	125		10		4 0.001		TO-92	
CD9015C	50	50	5	0.625	0.1	0.05	50			200 600	1 5		0.7	1	100	6	125		10		4 0.001		TO-92	
CD9015D	50	50	5	0.625	0.1	0.05	50			400 1000	1 5		0.7	1	100	6	125		10		4 0.001		TO-92	
CD9015D1	50	50	5	0.625	0.1	0.05	50			400 630	1 5		0.7	1	100	6	125		10	6	4 0.001		TO-92	
CD9015D2	50	50	5	0.625	0.1	0.05	50			570 840	1 5		0.7	1	100	6	125		10		4 0.001		TO-92	
CD9015D3	50	50	5	0.625	0.1	0.05	50			760 1000	1 5		0.7	1	100	6	125		10		4 0.001		TO-92	
CD9015E	50	50	5	0.625	0.1	0.05	50			800	1 5		0.7	1	100	6	200		10		4 0.001		TO-92	
CDN369	25	20	5	0.625	1	0.05	25			50 85 60	5 375 1000	10 1 1	0.2		1000								TO-92	
CIL188	25	15	6	0.625	0.7	10	25			70 100 50	5 300 1000	10 1 1	0.5		1000								TO-92-4	
CIL369	25	20	5	0.625	1	10	25			50 85 60	5 375 1000	10 1 1	0.5		1000	45	60		10				TO-92	
CIL1115D	50	50	6	0.3	0.15	0.1	50			90 25	180 150	1 6	0.3	1.1	100 6	4 7	200		10		20			TO-92-1
CIL1115E	50	50	6	0.3	0.15	0.1	50			150 25	300 150	1 6	0.3	1.1	100 6	4 7	200		10		20			TO-92-1
CIL1115F	50	50	6	0.3	0.15	0.1	50			250 25	500 150	1 6	0.3	1.1	100 6	4 7	200		10		20			TO-92-1
CIL1115G	50	50	6	0.3	0.15	0.1	50			400 25	800 150	1 6	0.3	1.1	100 6	4 7	200		10		20			TO-92-1

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	W _o		6		± 0.2	
Hole Position	W ₁		9		± 0.7	t_1 0.3-0.6
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		
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.