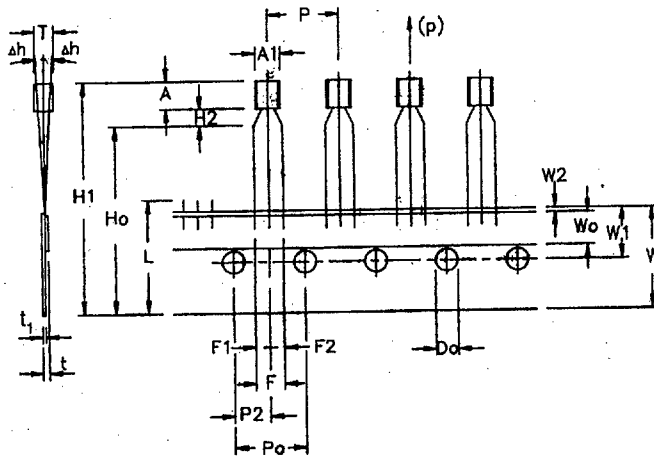
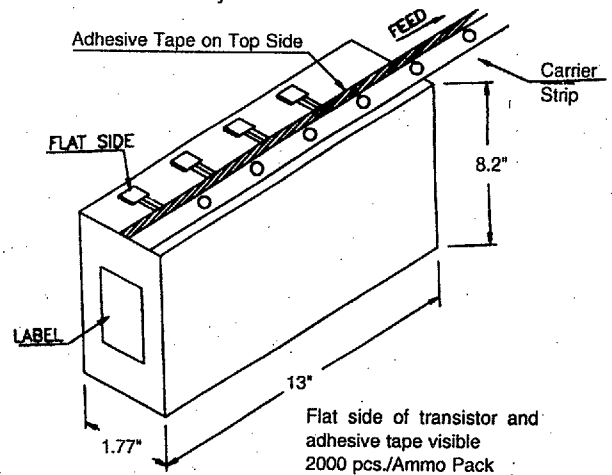


Maximum Ratings						Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																	
Type No.	V _{CB0} (V) Min	V _{CEO} (V) Min	V _{EB0} (V) Min	P _D (W) @Tc=25°C	I _C (A)	I _{CB0} (μA) @ V _{CE} Max	V _{CE} (V) @ I _C Max	I _{CES} (μA) @ V _{CE} Max	h _{FE} @ I _C & V _{CE} (mA) (V)	V _{CE(SAT)} (V) @ I _C & V _{BE(SAT)} (V) (mA)	C _{ob} (pF) @ f _T (MHz)	f _T (MHz) @ I _C (mA)	t _{on} (ns) @ I _C (mA)	N _F (dB) @ Freq (MHz)	C _{re} (pF) @ Freq (MHz)	CDIL Case Style							
CSC2002M	60	60	5	0.5	0.3	0.1	60		90 180 50 1 30 300 2	0.6 1.2 300	7 15	50 140 10					TO-92-1						
CSC2003	80	80	5	0.5	0.3	0.1	80		90 400 50 1 30 300 2	0.6 1.2 300	7 15	50 140 10					TO-92-1						
CSC2003K	80	80	5	0.5	0.3	0.1	80		200 400 50 1 30 300 2	0.6 1.2 300	7 15	50 140 10					TO-92-1						
CSC2003L	80	80	5	0.5	0.3	0.1	80		135 270 50 1 30 300 2	0.6 1.2 300	7 15	50 140 10					TO-92-1						
CSC2003M	80	80	5	0.5	0.3	0.1	80		90 180 50 1 30 300 2	0.6 1.2 300	7 15	50 140 10					TO-92-1						
CSC2120	35	30	5	0.6	0.8	0.1	35		100 320 100 1 35 700 1	0.5 500	13	120 10					TO-92-1						
CSC2120O	35	30	5	0.6	0.8	0.1	35		100 200 100 1 35 700 1	0.5 500	13	120 10					TO-92-1						
CSC2120Y	35	30	5	0.6	0.8	0.1	35		160 320 100 1 35 700 1	0.5 500	13	120 10					TO-92-1						
CSC2216	50	45	4	0.3	0.05	0.1	50		40 100 12.5 12.5	0.2 1.5 15	2	300 13					TO-92-3						
CSC2229Y	200	150	5	0.625	0.5	0.1	200		120 360 10 5	0.5 1 10	3.5 5	120 10					TO-92-1						
CSC2240	120	120	5	0.3	0.1	0.1	120		200 700 2 6	0.3 10	3.0	100 1		6			TO-92						
CSC2240BL	120	120	5	0.3	0.1	0.1	120		350 700 2 6	0.3 10	3.0	100 1		6			TO-92						
CSC2240GR	120	120	5	0.3	0.1	0.1	120		200 400 2 6	0.3 10	3.0	100 1		6			TO-92-1						
CSC2271	300	300	6	0.9	0.1	1	200		40 200 10 10	0.6 1 20	7.5	50 10					TO-92-1						
CSC2271C	300	300	6	0.9	0.1	1	200		40 80 10 10	0.6 1 20	7.5	50 10					TO-92-1						
CSC2271D	300	300	6	0.9	0.1	1	200		60 120 10 10	0.6 1 20	7.5	50 10					TO-92-1						
CSC2271E	300	300	6	0.9	0.1	1	200		100 200 10 10	0.6 1 20	7.5	50 10					TO-92-1						
CSC2274D	100	80	5	0.6	0.5	1	40		60 120 50 5 35 400 5	0.6 1.2 400	5	120 10					TO-92-1						
CSC2274E	100	80	5	0.6	0.5	1	40		100 200 50 5 35 400 5	0.6 1.2 400	5	120 10					TO-92-1						
CSC2274F	100	80	5	0.6	0.5	1	40		160 320 50 5 35 400 5	0.6 1.2 400	5	120 10					TO-92-1						
CSC2274K	100	80	5	0.6	0.5	1	40		60 320 50 5 35 400 5	0.6 1.2 400	5	120 10					TO-92-1						
CSC2309	55	50	5	0.2	0.1	0.5	18		250 1200 2 12	0.2 10	3.5	150 230 2					TO-92-1						
CSC2309D	55	50	5	0.2	0.1	0.5	18		250 500 2 12	0.2 10	3.5	150 230 2					TO-92-1						
CSC2309E	55	50	5	0.2	0.1	0.5	18		400 800 2 12	0.2 10	3.5	150 230 2					TO-92-1						
CSC2309F	55	50	5	0.2	0.1	0.5	18		600 1200 2 12	0.2 10	3.5	150 230 2					TO-92-1						
CSC2328A	30	30	5	1	1.5	0.1	30		100 320 500 2	2 1500	30	120 500					TO-92-1						
CSC2328AO	30	30	5	1	1.5	0.1	30		100 200 500 2	2 1500	30	120 500					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	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.