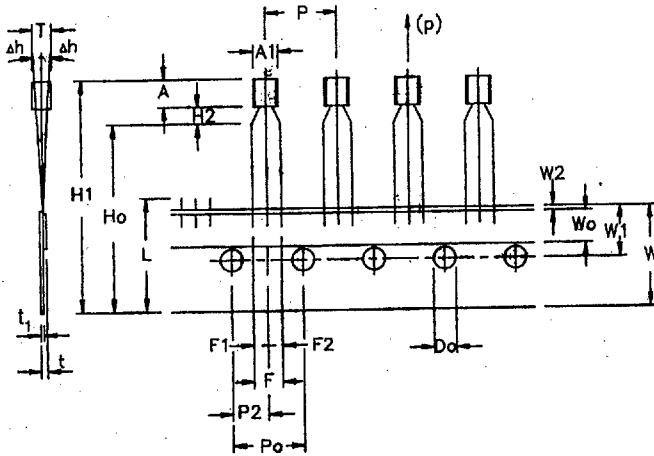
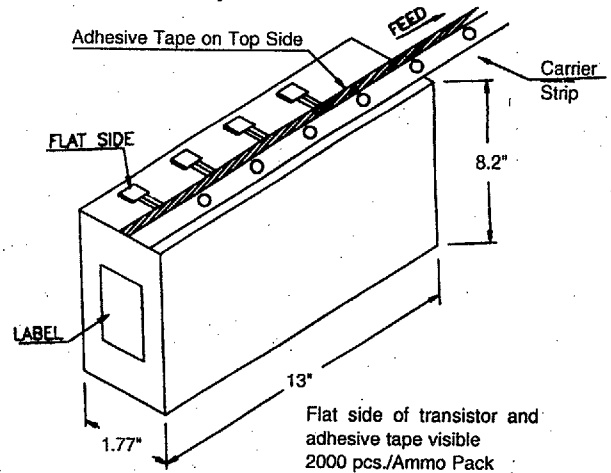


Maximum Ratings							Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																			
Type No.	V _{CBO} (V)	V _{CEO} (V)	V _{EB0} (V)	P _D (W)	I _C (A)	I _{CBO} (μA)	V _{CB} (V)	I _{CES} (μA)	V _{CE} (V)	h _{FE} @ I _C & V _{CE}		V _{CE(SAT)} (V)		V _{BE(SAT)} (V)	I _C (mA)	C _{ob} (pF)		f _T (MHz)		t _{on} (ns)	N _F (dB)	@ Freq (MHz)	C _{in} (pF)	CDIL Case Style		
	Min	Min	Min	@ Tc=25°C	(A)	Max	@ (V)	Max	Max	Min	Max	Max	Min	Max	Max	Typ	Max	Min	Typ	Max	Max	Max	Max	Max		
CSC1008R	80	60	8	0.8	0.7	0.1	60			40	80	50	2	0.4		1.1	500	8	30	50					TO-92	
CSC1187	30	20	4	0.25	0.03	0.1	20			40	240	2	10						400						TO-92	
CSC1187O	30	20	4	0.25	0.03	0.1	20			70	140	2	10						400						TO-92	
CSC1187R	30	20	4	0.25	0.03	0.1	20			40	80	2	10						400						TO-92	
CSC1187Y	30	20	4	0.25	0.03	0.1	20			120	240	2	10						400						TO-92	
CSC1213	35	35	4	0.4	0.5	0.5	20			60	320	10	3	0.6			150								TO-92-1	
CSC1213A	50	50	4	0.4	0.5	0.5	20			60	320	10	3	0.6		1.2	150	7	60	120					TO-92-1	
CSC1213AB	50	50	4	0.4	0.5	0.5	20			60	120	10	3	0.6		1.2	150	7	60	120					TO-92-1	
CSC1213AC	50	50	4	0.4	0.5	0.5	20			100	200	10	3	0.6		1.2	150	7	60	120					TO-92-1	
CSC1213AD	50	50	4	0.4	0.5	0.5	20			160	320	10	3	0.6		1.2	150	7	15	120					TO-92-1	
CSC1213B	35	35	4	0.4	0.5	0.5	20			60	120	10	3	0.6			150								TO-92-1	
CSC1213C	35	35	4	0.4	0.5	0.5	20			100	200	10	3	0.6			150								TO-92-1	
CSC1213D	35	35	4	0.4	0.5	0.5	20			160	320	10	3	0.6			150								TO-92-1	
CSC1393	30	30	4	0.25	0.02	0.1	20			40	180	2	10						400		700	3	3	200	0.5	TO-92-3
CSC1393O	30	30	4	0.25	0.02	0.1	20			60	140	2	10						400		700	3	3	200	0.5	TO-92-3
CSC1393R	30	30	4	0.25	0.02	0.1	20			40	80	2	10						400		700	3	3	200	0.5	TO-92-3
CSC1393Y	30	30	4	0.25	0.02	0.1	20			90	180	2	10						400		700	3	3	200	0.5	TO-92-3
CSC1394	30	30	4	0.25	0.02	0.1	20			40	180	2	10	0.7			10		400		700	3	3.5	200	0.5	TO-92-3
CSC1394O	30	30	4	0.25	0.02	0.1	20			60	140	2	10	0.7			10		400		700	3	3.5	200	0.5	TO-92-3
CSC1394R	30	30	4	0.25	0.02	0.1	20			40	80	2	10	0.7			10		400		700	3	3.5	200	0.5	TO-92-3
CSC1394Y	30	30	4	0.25	0.02	0.1	20			90	180	2	10	0.7			10		400		700	3	3.5	200	0.5	TO-92-3
CSC1395	30	15	4	0.25		0.1	12			40	240	5	10	0.5			10	1.5	600			5				TO-92-3
CSC1674	30	20	4	0.25	0.02	0.1	30			40	240	1	6	0.5			10		400	600		1				TO-92
CSC1674O	30	20	4	0.25	0.02	0.1	30			70	140	1	6	0.5			10		400	600		1				TO-92
CSC1674R	30	20	4	0.25	0.02	0.1	30			40	80	1	6	0.5			10		400	600		1				TO-92
CSC1674Y	30	20	4	0.25	0.02	0.1	30			120	240	1	6	0.5			10		400	600		1				TO-92
CSC1675	50	30	5	0.25	0.05	0.1	50			40	240	1	6	0.3			10	2.5	150	260		1				TO-92
CSC1675O	50	30	5	0.25	0.05	0.1	50			70	140	1	6	0.3			10	2.5	150	260		1				TO-92
CSC1675R	50	30	5	0.25	0.05	0.1	50			40	80	1	6	0.3			10	2.5	150	260		1				TO-92
CSC1675Y	50	30	5	0.25	0.05	0.1	50			120	240	6	1	0.3			10	2.5	150	260		1				TO-92
CSC1684	30	25	7	0.4	0.1	1	10			160	460	2	10	0.5			100	3.5		150		2				TO-92-1

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
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	W0		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.