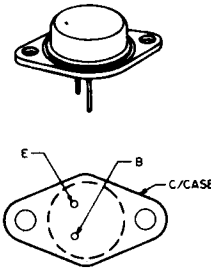
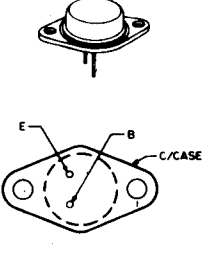


Silicon Power Transistors

(By Case Style and Increasing BVCEO) Maximum Ratings at T_C = 25°C

Breakdown Voltage		Type		Application	Collector Current I _C (A)	Collector Diss. PD (W)	Current Gain hFE	Freq in MHz f _t	Package
BVCBO	BVCEO	NPN	PNP						Case/Basing
80	80	ECG29	ECG30	Hi Pwr Amp, Sw, t _f = .3 μsec (typ)	50	300	20 min	2 min	TO-3 Fig. T28A Fig. T28 
100	60	ECG130	ECG219	Gen Purp, Pwr Amp	15	115	40 typ	.8	
100	100	ECG181	ECG180	Gen Purp, Pwr Amp	30	200	25 min	2 min	
140	140	ECG280	ECG281	Gen Purp, Pwr Amp	12	100	70 min	6	
140	140	ECG60	ECG61	Gen Purp, Pwr Amp	20	250	30 typ	2	
150	130	ECG328	---	Hi Speed Sw, Amp, t _f = .5 μs (typ)	15	140	12 min 100 max	60	
180	150	ECG327	---	Hi Speed Sw, Amp, t _f = .25 μs (max)	25	200	30 min 120 max	40	
180	150	ECG387	---	Hi Speed Sw, Amp, t _f = .25 μs (max)	50	250	70 typ	30 min	
180	180	ECG284	ECG285	Gen Purp, Pwr Amp	16	150	70 min	6	
200	150	ECG86	---	Hi Gain Amp, DC Regulator	5	50	400 min	15	
250	250	ECG87	ECG88	Hi Pwr AF Amp	10	200	20 min	3	
300	300	ECG94	---	Gen Purp Amp, DC Regulator	5	100	30 min	2.5 min	
400	250	ECG388	ECG68	Gen Purp, Hi Pwr Amp	16	250	30 typ	4 min	
500	300	ECG162	---	Gen Purp Linear, Vert Output	3 cont 10 peak	100	20 min	---	
550	350	ECG385	---	Hi Speed Sw, Amp, t _f = .1 μs (typ)	10	150	20 typ	---	
700	700	ECG163A	---	Horiz Output Sw, t _f = .4 μs (typ)	10 peak	100	10	---	
750	450	ECG52	---	HV, Hi Speed Sw, t _f = .2 μs (typ)	5	125	10 typ	---	
800	325	ECG283	---	Horiz Output Sw, t _f = 1 μs (max)	10	100	15 min	6	
800	500	ECG386	---	Hi Speed Sw, Amp, t _f = .3 μs (typ)	20	175	30 typ	---	
850	400	ECG53	---	HV, Hi Speed Sw, t _f = .7 μs (typ)	15	175	12 typ	6 min	
850	450	ECG2319	---	HV, Hi Speed Sw, Hi Current, t _f = .27 μs (typ)	15	175	6 min	---	
1500	600	ECG89	---	Horiz Output/Damper Diode t _f = .7 μs (typ)	7	50	5 min	---	
1500	700	ECG164	---	Gen Purp Linear, Vert	1	50	20	.5 min	
1500	1400	ECG165	---	Horiz Output Sw, t _f = .7 μs (typ)	5	50	5 min	---	
1500	1500	ECG389	---	Horiz Output Sw, t _f = .7 μs (typ)	4	100	5 min	4 min	
1500	1500	ECG238	---	Horiz Output Sw, t _f = .7 μs (typ)	7	50	5	---	
90	80	---	ECG218	Gen Purp, Pwr Amp	3	25	20 min	3 min	TO-66 Fig. T25 
300	250	ECG286	---	Horiz Output Sw, t _f = 1 μs (typ)	2	25	100 min	8	
300	300	ECG124	---	HV Gen Purp, Pwr Amp	.150	20	100 typ	30	
375	350	ECG384	---	Hi Speed Sw, Amp, t _f = .3 μs (typ)	7	45	20 typ	1 min	
500/400	300/350	ECG175	ECG38	Gen Purp, Pwr Amp	3	40	50 typ	10	
800	400	ECG369	---	Gen Purp Linear Amp, Sw, t _f = 3.5 μs (typ)	3 peak	40	30 min	7	
1600	700	ECG321	---	Horiz Output Sw, t _f = 1 μs (typ)	1.5	15 (T _C = 70°C)	1.5 min	---	

Package Outlines - See Page 1-78