

Silicon Power Transistors (cont'd)

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain hFE	Freq in MHz f_t	Package
BVCBO	BVCEO	NPN	PNP						Case/Basing
55 +15 -10	55 +15 -10	ECG2330	---	Hi Gain Amp, Regulator w/Int. Zener Control	4	80	500 min	---	TO-3PJ Fig. T48-1  Collector to Heat Sink
60	50	ECG2304	ECG2314	Hi Speed Sw, Amp, $t_f = .1 \mu s$ (typ)	15	90	100 min	20	
160	140	ECG36	ECG37	Gen Purp, Pwr Amp, Hi Speed Sw	12	100	60 min	15	
200	180	ECG2307	---	Hi Gain Amp, Series Pass	5	80	500 min	---	
500	400	ECG2308	---	Hi Speed Sw, Series Pass, $t_f = 1 \mu s$ (max)	12	100	15 min	20	
900	800	ECG2309	---	HV, Hi Speed Sw, $t_f = .7 \mu s$ (max)	6	100	10 min	15	
900	800	ECG2348	---	HV, Hi Current, $t_f = .3 \mu s$ (typ)	10	150	8 min	15	
1500	800	ECG2302	---	HV, Horiz Output/Damper Diode, $t_f = .7 \mu s$ (max)	5	120	8 min	3	
1500	800	ECG2324	---	HV, Horiz Output, Sw, $t_f = .2 \mu s$ (max)	8	150	8 min	---	
1500	800	ECG2354	---	Horiz Out, HV, Sw, $t_f = .2 \mu s$ (max)	10	150	8 min	---	
1500	800	ECG2331	---	HV, Horiz Output/Damper Diode, Sw, $t_f = .3 \mu s$ (max)	6	60	8 min	---	TO-3PM Fig. T48-3 
1500	800	ECG2353	---	HV, Horiz Output/Damper Diode, Sw, $t_f = .3 \mu s$ (max)	10	70	8 min	---	
60	60	ECG152	ECG153	Gen Purp, Pwr Amp	7	50	60 typ	10	TO-220 Fig. T41  TAB CONNECTS TO COLLECTOR
65	65	ECG235	---	RF Pwr Output	3 peak	12	40 min	200 min	
70	70	ECG236	---	RF Pwr Output	8 peak	25	20 min	100	
80	80	ECG241	ECG242	Gen Purp, Pwr Amp	4	60	25 min	2	
80	80	ECG377	ECG378	Hi Speed Sw, Amp, $t_f = .14 \mu s$ (typ)	10	50	60 min	50	
90	80	ECG196	ECG197	Gen Purp, Pwr Amp	7	50	20 min	.8	
100	80	ECG56	---	Gen Purp Amp, Sw, Series Pass, $t_f = 1.3 \mu s$ (typ)	3	30	500 min	15	
100	100	ECG331	ECG332	Gen Purp	15	90	40 typ	3 min	
130	120	ECG291	ECG292	Gen Purp, Pwr Amp	4	40	75 typ	4 min	
150	150	ECG54	ECG55	Gen Purp, Pwr Amp	8	50	100 typ	85	
200	150	ECG375	ECG398	Gen Purp Linear, Vert	3/2	25	150 typ	8	
300	300	ECG376	---	Gen Purp	.15	15	100 typ	80	
500	500	ECG198	---	HV Amp, Sw, $t_{off} = 2 \mu s$ (typ)	1	40	80 typ	20	
700	400	ECG51	---	HV, Hi Speed Sw, $t_f = .7 \mu s$ (typ)	4	75	25 typ	4 min	
700	400	ECG2312	---	HV, Hi Speed Sw, $t_f = .7 \mu s$ (typ)	8	80	5 min	4 min	
700	400	ECG379	---	Horiz Sw, $t_f = .7 \mu s$ (typ)	12	100	20 typ	4 min	
900	800	ECG2325	---	HV, Hi Speed Sw, $t_f = .7 \mu s$ (typ)	3	50	10 min	15	
1000	450	ECG2313	---	HV, Hi Speed Sw, $t_f = .4 \mu s$ (typ)	2	40	50 typ	20 typ	
1000	450	ECG2333	---	HV, Hi Speed Sw, $t_f = .8 \mu s$ (max)	8	125	10	---	
1500	750	ECG2303	---	Horiz Sw, $t_f = .65 \mu s$ (typ)	2.5	65	4	4	

Package Outlines - See Page 1-78