Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package	
									Case	Fig. No.
ECG478	NPN-Si, RF PO, 136-174 MHz, 100 W	36	18	4	15	270	---	10 min	RF-50F6	T60
ECG479	NPN-Si, RF PO, 407-512 MHz, 1.8 W	36	14	3.5	.400	3.5	---	20 min	TO-39	T6
ECG480	NPN-Si, RF PO, 407-512 MHz, 40 W	36	16	4	8	145	---	20 min	RF-50F6	T60
ECG481	NPN-Si, RF PO, 806-870 MHz, 6 W	36	16	4	5	28	---	20 min	RF-38F6B	T61
ECG482	NPN-Si, RF PO, 806-870 MHz, 15 W	36	16	4	7	46	---	20 min	RF-23F6E	T63
ECG483	NPN-Si, RF PO, 806-870 MHz, 18 W	36	16	4	7	46	---	20 min	RF-38F6B	T61
ECG484	NPN-Si, RF PO, 806-870 MHz, 25 W	36	16	4	10	75	---	20 min	RF-38F6B	T61
ECG485	NPN-Si, RF PO, 806-870 MHz, 25 W	36	18	4	7.5	70	---	15 min	RF-23F6	T62
ECG486	NPN-Si, RF Multiplier Amp, 407-512 MHz, .75 W	35	20	4	.15	2.5	1800 min	20 min	TO-39	T6
ECG487	NPN-Si, RF Multiplier Amp, 136-174 MHz, 1 W	36	18	4	.400	5	400 min	20 min	TO-39A	T8
ECG488	NPN-Si, RF PO, Driver, 136-174 MHz, 4 W	36	18	4	.800	8	---	5 min	TO-39EG	T9
ECG489 ECG492	See FET Selector Guide Page 1-65	---	---	---	---	---	---	---	---	---
ECG2300	NPN-Si, HV Horiz Output, Sw, $t_f = .7$ μsec typ	1500	700	6	8	125	7	5	TO-3P (TO-218)	T48
ECG2301	NPN-Si, HV Horiz Output, Sw, $t_f = .4$ μsec typ	1500	750	5	5	100	4	5	TO-3P (TO-218)	T48
ECG2302	NPN-Si, Horiz Output/Damper Diode, $t_f = .7$ μsec max	1500	800	7	5	120	3	8 min	TO-3PJ	T48-1
ECG2303	NPN-Si, Horiz Output, Sw, $t_f = .65$ μsec typ	1500	750	5	2.5	65	4	4	TO-220	T41
ECG2304	NPN-Si, Hi Speed Sw, Amp, $t_f = .1$ μsec typ (Compl to ECG2314)	60	50	6	15	90	20	100 min	TO-3PJ	T48-1
ECG2305	NPN-Si, Pwr Amp, Sw, $t_f = 1.2$ μsec typ (Compl to ECG2306)	160	160	7	16	125	1 min	60 min	TO-3P (TO-218)	T48
ECG2306	PNP-Si, Pwr Amp, Sw, $t_f = 1.2$ μsec typ (Compl to ECG2305)	160	160	7	16	125	1 min	60 min	TO-3P (TO-218)	T48
ECG2307	NPN-Si, Hi Gain Amp, Series Pass	200	180	5	5	80	---	500 min	TO-3PJ	T48-1
ECG2308	NPN-Si, Hi Speed Sw, Series Pass, $t_f = 1$ μsec max	500	400	7	12	100	20	15 min	TO-3PJ	T48-1
ECG2309	NPN-Si, HV Hi Speed Sw, $t_f = .7$ μsec max	900	800	7	6	100	15	10 min	TO-3PJ	T48-1
ECG2310	NPN-Si, HV Hi Speed Sw, $t_f = .8$ μsec max	1000	450	9	8	125	---	10 min	TO-3P (TO-218)	T48
ECG2311	NPN-Si, HV Hi Speed Sw, Hi Current, $t_f = .3$ μsec typ	1000	450	7	15	150	---	10	TO-3P (TO-218)	T48
ECG2312	NPN-Si, HV Hi Speed Sw, $t_f = .7$ μsec typ	700	400	9	8	80	4 min	5 min	TO-220	T41
ECG2313	NPN-Si, HV Hi Speed Sw, $t_f = .4$ μsec typ	1000	450	5	2	40	20 typ	50 typ	TO-220	T41
ECG2314	PNP-Si, Hi Speed Sw, $t_f = .1$ μsec typ (Compl to ECG2304)	60	50	6	15	90	20	100 min	TO-3PJ	T48-1

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

• When alternate packages are shown it indicates a change is in progress. Although only one package is available both packages will be shown as long as the obsolete package may be encountered in the field.

Package Outlines - See Page 1-91