

**Transistors (cont'd)** (Maximum Ratings at  $T_C = 25^\circ\text{C}$  Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts $V_{CB0}$	Collector To Emitter Volts $V_{CE0}$	Base to Emitter Volts $V_{EB0}$	Max. Collector Current $I_C$ Amps	Max. Device Diss. P <sub>D</sub> Watts	Freq. in MHz $f_t$	Current Gain $h_{FE}$	Package	
									Case	Fig. No.
ECG376	NPN-Si, Pwr Amp	300	300	5	.15	1.5 ( $T_A = 25^\circ\text{C}$ ) 15 ( $T_C = 25^\circ\text{C}$ )	80	100 typ	TO-220	T41
ECG377	NPN-Si, Pwr Driver, PO, Sw, Reg (Compl to ECG378)	80	80	5	10	50	50	60 min	TO-220	T41
ECG378	PNP-Si, Pwr Driver, PO, Sw, Reg (Compl to ECG377)	80	80	5	10	50	50	60 min	TO-220	T41
ECG379	NPN-Si, HV HI Speed Pwr Sw	700	400	9	12	100	4 min	20 typ	TO-220	T41
ECG380 ECG380MP*	NPN-Si, AF Pwr Amp (Compl to ECG381)	150	120	5	7	80	6	60 typ	TB-33	T43
ECG381	PNP-Si, AF Pwr Amp (Compl to ECG380)	150	120	5	5	80	9	60 typ	TB-33	T43
ECG382	NPN-Si, AF Driver (Compl to ECG383)	120	100	5	1	.9 ( $T_A = 25^\circ\text{C}$ )	140	200 typ	TO-92M	T18
ECG383	PNP-Si, AF Driver (Compl to ECG382)	120	100	5	1	.9 ( $T_A = 25^\circ\text{C}$ )	140	200 typ	TO-92M	T18
ECG384	NPN-Si, Sw, Linear Amp	375	350	9	7	45	1 min	20 typ	TO-66	T25
ECG385	NPN-Si, HV HI Speed Sw	550	350	6	10	150	---	20 typ	TO-3	T28
ECG386	NPN-Si, HV HI Speed Sw	800	500	6	20	175	---	30 typ	TO-3	T28
ECG387 ECG387MP*	NPN-Si, Pwr Amp, Sw	180	150	6	50	250	30 min	70 Typ	TO-3	T28A
ECG388	NPN-Si, Hi Pwr AF Amp (Compl to ECG68)	400	250	5	16	250	4 min	30 typ	TO-3	T28
ECG389	NPN-Si, Horiz Output	1500	1500 (CES)	5	4	100	4 min	5 min	TO-3	T28
ECG390	NPN-Si, Pwr Amp, HI Speed Sw (Compl to ECG391)	100	100	5	10	80	3	40 min	TO-3P (TO-218)	T48
ECG391	PNP-Si, Pwr Amp, HI Speed Sw (Compl to ECG390)	100	100	5	10	80	3	40 min	TO-3P (TO-218)	T48
ECG392	NPN-Si, Pwr Amp, HI Speed Sw (Compl to ECG393)	100	100	5	25	125	3	25 min	TO-3P (TO-218)	T48
ECG393	PNP-Si, Pwr Amp, HI Speed Sw (Compl to ECG392)	100	100	5	25	125	3	25 min	TO-3P (TO-218)	T48
ECG394	NPN-Si, HV Pwr Amp, Sw	500	400	5	3	100	2.5	30 min	TO-3P (TO-218)	T48
ECG395	PNP-Si, Wide Band VHF/UHF Amp, Osc	30	25	3	50 mA	.360 ( $T_A = 25^\circ\text{C}$ )	2.3 GHz	25 min	TO-72	T4
ECG396	NPN-Si, Linear Amp & HI Speed Sw (Compl to ECG397)	450	350	7	1	10	15 min	60 typ	TO-39	T6
ECG397	PNP-Si, Linear Amp & HI Speed Sw (Compl to ECG396)	350	300	6	1	10	15 min	50 typ	TO-39	T6
ECG398	PNP-Si, Vertical Defl, Audio Amp (Compl to ECG375)	200	150	5	2	25	5	100 typ	TO-220	T41
ECG399	NPN-Si, HV Video Output	300	300	6	.1	.9 ( $T_A = 25^\circ\text{C}$ )	50 min	100 min	T-16	T20
ECG451 thru ECG467	See FET Selector Guide Page 1-57	---	---	---	---	---	---	---	---	---
ECG470	NPN-Si, RF PO, 2-30 MHz, 100 W, 12.5 V	36	18	4	20	250	---	10 min	RF-50F	T58
ECG471	NPN-Si, RF PO, 2-30 MHz, 100 W, 28 V	65	36	4	15	250	---	10 min	RF-50F	T58
ECG472	NPN-Si, RF Driver, PO, 136-174 MHz, 1.8 W	36	16	4	.400	5	400 min	20 min	TO-39	T6
ECG473	NPN-Si, RF Driver, PO, 136-174 MHz, 2.2 W	36	18	4	1	7	---	10 min	TO-39	T6

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 1-76