

Transistors (cont'd) (Maximum Ratings at $T_C = 25^\circ\text{C}$ 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.
ECG107	NPN-Si, UHF/VHF Amp, Osc, Mix, IF Amp	35	35	5	50 mA	.250 ($T_A = 25^\circ\text{C}$)	800 min	70 typ	TO-92	T16
ECG108	NPN-Si, RF/IF/Video Amp, Osc, Mix, VHF/UHF	30	15	2	50 mA	.600 ($T_A = 25^\circ\text{C}$)	800 min	20 min	TO-92	T16
ECG121 ECG121MP*	PNP-Ge, AF Pwr Output	65	45 (CER)	15	7.0	30	22 KHz #	80 typ	TO-3	T28
ECG123	NPN-Si, AF Preamp, Driver Video Amp, Sync Sep	60	30	5	.8	.800 ($T_A = 25^\circ\text{C}$)	250	150 typ	TO-39	T6
ECG123A	NPN-Si, AF/RF Amp, Sw	75	40	6	.8	.500 ($T_A = 25^\circ\text{C}$)	300	200 typ	TO-18	T2
ECG123AP	NPN-Si, AF/RF Amp, Driver (Compl to ECG159)	75	40	6	.6	.500 ($T_A = 25^\circ\text{C}$)	300	200 typ	TO-92	T16
ECG124	NPN-Si, HV Audio Pwr Output	300	300	5	.150	20	30	100 typ	TO-66	T25
ECG126A	PNP-Ge, RF/IF Amp, Osc, Mix	15	15	3	50 mA	300 mW ($T_A = 25^\circ\text{C}$)	250	40 typ	TO-18	T2
ECG127	PNP-Ge, Horiz & Vert Defl, Pwr Output	320	320 (CES)	2	10	40	1	15 min	TO-3	T28
ECG128	NPN-Si, AF Preamp, Driver, Output, Video Amp (Compl to ECG129)	120	80	7	1	1 ($T_A = 25^\circ\text{C}$)	120	90 min	TO-39	T6
ECG128P	NPN-Si, Gen Purp Amp, Sw (Compl to ECG129P)	100	80	7	1	1	100	100 min	TO-237	T17
ECG129 ECG129MCP	PNP-Si, AF Preamp, Driver, Output, Video Amp (Compl to ECG128) Matched Compl Pair-Contains one each ECG128 (NPN) and ECG129 (PNP)	90	80	7	1	1 ($T_A = 25^\circ\text{C}$)	120	90 min	TO-39	T6
ECG129P	PNP-Si, Gen Purp Amp, Sw (Compl to ECG128P)	80	80	7	1	1	150	100 min	TO-237	T17
ECG130 ECG130MP*	NPN-Si, AF Pwr Amp (Compl to ECG219)	100	60	7	15	115	.800	40 typ	TO-3	T28
ECG131 ECG131MP*	PNP-Ge, AF Pwr Output (Compl to ECG155)	32	20	10	3 peak	6 ($T_C = 63^\circ\text{C}$)	1	110 typ	TC-9	T27
ECG152 ECG152MP*	NPN-Si, AF Pwr Output (Compl to ECG153)	60	60	5	7	50	10	60 typ	TO-220	T41
ECG153 ECG153MCP	PNP-Si, AF Pwr Output (Compl to ECG152) Matched Compl Pair-Contains one each ECG152 (NPN) and ECG153 (PNP)	60	60	5	7	50	10	60 typ	TO-220	T41
ECG154	NPN-Si, Video Output Amp	300	300	7	.5	1.0 ($T_A = 25^\circ\text{C}$) 7.0 ($T_C = 25^\circ\text{C}$)	40	60 typ	TO-39	T6
ECG155	NPN-Ge, AF Pwr Amp (Compl to ECG131)	32	20	10	3 peak	7.5	1	110 typ	TC-9	T27
ECG157	NPN-Si, HV AF Pwr Amp (Compl to ECG39)	300	300	3	.5	20.8	10	30 min	TO-126	T45
ECG158	PNP-Ge, AF Pwr Amp	32	32	10	1	1.6	1.5	90 typ	TO-1	T1
ECG159 ECG159MCP	PNP-Si, AF Preamp, Driver, Sw (Compl to ECG123AP) Matched Compl Pair-Contains one each ECG123AP (NPN) and ECG159 (PNP)	80	80	5	1	.600 ($T_A = 25^\circ\text{C}$)	200	180 typ	TO-92	T16
ECG160	PNP-Ge, RF/IF Amp, Osc, Mix	30	20 (CES)	.5	10 mA	.200 ($T_A = 25^\circ\text{C}$)	400	20 typ	TO-72	T4
ECG161	NPN-Si, Video IF Amp	45	45 (CES)	4.5	50 mA	.180 ($T_A = 25^\circ\text{C}$)	800	60 typ	TO-72	T4

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

6653928 0009143 T51