

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 _{CB0}	Collector To Emitter Volts BV _{CE0}	Base to Emitter Volts BV _{EB0}	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.
ECG290A ECG290AMP	PNP-Si, AF Pwr Amp (Compl to ECG289A) Matched Compl Pair-Contains one each ECG289A (NPN) and ECG290A (PNP)	100	80	5	.5	.500 (T _A = 25°C)	120	100 min	TO-92	T16
ECG291	NPN-Si, Pwr Amp, Sw (Compl to ECG292)	130	120	5	4	40	4 min	75 typ	TO-220	T41
ECG292 ECG292MCP	PNP-Si, Pwr Amp, Sw (Compl to ECG291) Matched Compl Pair-Contains one each ECG291 (NPN) and ECG292 (PNP)	130	120	5	4	40	4 min	75 typ	TO-220	T41
ECG293 ECG293MP*	NPN-Si, AF Pwr Amp (Compl to ECG294)	60	50	5	1	1 (Heat Sink) .75 (T _A = 25°C)	200	120 min	T-16	T20
ECG294	PNP-Si, AF Pwr Amp (Compl to ECG293)	60	50	5	1	1 (Heat Sink) .75 (T _A = 25°C)	200	120 min	T-16	T20
ECG295	NPN-Si, RF Output/Driver	75	40	5	1	5	150 min	20 min	TO-126	T45
ECG297 ECG297MP*	NPN-Si, AF Driver, Pwr Amp (Compl to ECG298)	80	80	5	1 peak	.75 (T _A = 25°C)	120	130 min	T-16	T20
ECG298	PNP-Si, AF Driver/Pwr Amp (Compl to ECG297)	80	80	5	1 peak	.75 (T _A = 25°C)	120	130 min	T-16	T20
ECG300 ECG300MP*	NPN-Si, AF Pwr Output (Compl to ECG307)	50	40	5	1.5	7	70	90 min	TO-202	T38
ECG302	NPN-Si, RF Driver/Pwr Amp	100	50	6	1.5 peak	8	80	200 min	TO-202J	T37
ECG304A	Transistor Kit See Page 61	---	---	---	---	---	---	---	---	---
ECG306	NPN-Si, RF Driver/Pwr Amp	100	50	6	1.5 peak	8	80	200 min	TO-202J	T37
ECG307	NPN-Si, AF Pwr Output (Compl to ECG300)	50	40	5	1.5	7	70	90 min	TO-202	T38
ECG311	NPN-Si, VHF/UHF Osc, Amp, Driver	55	30	3.5	.4	5	800 min	25 min	TO-39	T6
ECG312	See FET Selector Guide Page 1-65	--	---	---	---	---	---	---	---	---
ECG313	NPN-Si, VHF Tuner, RF Amp	30	30	4	20 mA	.15 (T _A = 25°C)	400 min	25 min	RF-15	T49
ECG315	NPN-Si, RF Driver	100	50	6	1	.75 (T _A = 25°C)	80	200 typ	SC-51	T19
ECG316	NPN-Si, Lo Noise UHF Amp (NF 4.5 dB max, 450 MHz)	30	15	3.5	50 mA	.200 (T _A = 25°C)	1400	25 min	TO-72	T4
ECG317	NPN-Si, RF Pwr Output (P _O 70 W, 30 MHz)	36	36 (CES)	4	15	220	---	10 min	RF-50F	T58
ECG318	NPN-Si, RF Pwr Output (P _O 50 W, 30 MHz)	36	36 (CES)	4	6	80	---	5 min	RF-50F	T58
ECG319P	NPN-Si, AGC Controlled IF Amp (Includes Metal Shield)	40	30	4	50 mA	.5 (T _A = 25°C)	300 min	35 typ	TO-92	T16
ECG320	NPN-Si, RF Pwr Output (P _O 40 W, 175 MHz)	36	36 (CES)	4	6	80	200 min	5 min	RF-50SS	T55
ECG320F	NPN-Si, RF Pwr Out (P _O 40 W, 175 MHz)	36	18	4	6	80	200 min	5 min	RF-38F	T57
ECG321	NPN-Si, Horiz Defl	1600	700	5	1.5	15 (T _C = 25°C)	---	1.5 min	TO-66	T25
ECG323	PNP-Si, AF Pwr Amp (Compl to ECG324)	120	100	5	2	1 (T _A = 25°C)	30	50 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 1-91