

# 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 <sub>CBO</sub>	Collector To Emitter Volts BV <sub>CEO</sub>	Base to Emitter Volts BV <sub>EB0</sub>	Max. Collector Current I <sub>C</sub> Amps	Max. Device Diss. P <sub>D</sub> Watts	Freq. in MHz f <sub>t</sub>	Current Gain h <sub>FE</sub>	Package	
									Case	Fig. No.
ECG324	NPN-Si, AF Pwr Amp (Compl to ECG323)	120	100	5	2	1 (T <sub>A</sub> = 25°C)	50	50 min	TO-39	T6
ECG325	NPN-Si, RF PO, 14-30 MHz, 50 W	40	20	4	7.5	115	---	---	RF-38S	T53
ECG326	See FET Selector Guide Page 1-57	---	---	---	---	---	---	---	---	---
ECG327	NPN-Si, Pwr Amp, Sw, t <sub>f</sub> = 250 nsec	180	150	6	25	200	40	30 min 120 max	TO-3	T28
ECG328	NPN-Si, Pwr Amp, Sw	150	130	7	15	140	60	12 min 100 max	TO-3	T28
ECG329	NPN-Si, RF Pwr Amp (P <sub>o</sub> 3.5 W min, 27 MHz)	60	30	2.5	1.5 peak	5	---	---	TO-39	T6
ECG330, W	PNP-Ge, Fast Pwr Sw	---	40	1.4	25	170	---	12 typ	TO-36	T29
ECG331 ECG331MP*	NPN-Si, AF PO, Reg, Sw (Compl to ECG332)	100	100	5	15	90	3 min	40 typ	TO-220	T41
ECG332 ECG332MCP	PNP-Si, AF PO, Reg, Sw (Compl to ECG331) Matched Compl Pair-Contains one each ECG331 (NPN) and ECG332 (PNP)	100	100	5	15	90	3 min	40 typ	TO-220	T41
ECG333	NPN-Si, RF PO, 14-30 MHz, 60 W	36 (CES)	18	4	15	175	---	10 min	RF-38F	T57
ECG334	NPN-Si, RF PO, 14-30 MHz, 60 W	36 (CES)	18	4	15	175	---	10 min	RF-38S	T53
ECG335	NPN-Si, RF PO, 14-30 MHz, 80 W	45	25	4	20	250	---	10 min	RF-50F	T58
ECG336	NPN-Si, RF PO, 14-30 MHz, 80 W	45	25	4	20	250	---	10 min	RF-50S10	T54
ECG337	NPN-Si, RF Driver, 27-50 MHz, 8 W	36	18	4	2	20	---	5 min	RF-38S	T53
ECG338	NPN-Si, RF Driver & Output, 27-50 MHz, 20 W	48	24	4	3.5	50	---	15 typ	RF-38S	T53
ECG338F	NPN-Si, RF Driver & Output, 27-50 MHz, 20 W	36	18	4	4.5	80	---	10 min	RF-38F	T57
ECG339	NPN-Si, RF PO, 27-50 MHz, 40 W	48	24	4	7	100	---	3 min	RF-50S10	T54
ECG340	NPN-Si, RF PO, Driver, 136-174 MHz, 600 mW	36	18	4	.5	.750 (T <sub>A</sub> = 25°C)	---	70 typ	T-16	T20
ECG341	NPN-Si, RF PO, 136-174 MHz, 4 W	36	18	4	.640	8	---	5 min	TO-39EC	T7*
ECG342	NPN-Si, RF PO, 136-174 MHz, 7 W	35	17	4	2	12.5	---	50 typ	TO-220EC	T42*
ECG343	NPN-Si, RF PO, 136-174 MHz, 14 W	35	17	4	3.5	25	---	50 typ	TO-220EC	T42*
ECG344	NPN-Si, RF PO, 136-174 MHz, 30 W	35	17	4	7	50	---	50 typ	RF-28F6	T59
ECG345	NPN-Si, RF PO, 136-174 MHz, 30 W	36	18	4	4	65	---	5 min	RF-38S	T53
ECG346	NPN-Si, RF Driver & Predriver, 136-174 MHz, 1 W	40	20	2	.4	1 (T <sub>A</sub> = 25°C) 3.5 (T <sub>C</sub> = 25°C)	500	10 min	TO-39	T6
ECG347	NPN-Si, RF PO, 136-174 MHz, 3 W	36	18	4	.6	15	---	5 min	RF-38SM	T51
ECG348	NPN-Si, RF PO, 136-174 MHz, 4 W	36	18	4	1	12	---	5 min	RF-38S	T53
ECG349	NPN-Si, RF PO, 136-174 MHz, 10 W	36	18	4	2	30	---	5 min	RF-38S	T53

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 1-78