

# 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>EBO</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.
ECG2582	NPN-Si, HV, Hi Speed Sw, t <sub>f</sub> =.3 μs Max	500	400	7	12	40	20	10 min	TO-220J	T41-1
ECG2583	NPN-Si, HV, Hi Speed Sw, t <sub>f</sub> =.2 μs Max	600	400	7	10	35	20	10 min	TO-220J	T41-1
ECG2584	NPN-Si, HV, Hi Speed Sw, Amp, t <sub>f</sub> =.3 μs Max	800	500	7	5	50	18	20 min	TO-220S	T42-3
ECG2585	NPN-Si, HV, Amp	800	800	7	20	1.65	40	10 min	TO-220S	T42-3
ECG2586	NPN-Si, HV, Hi Speed Sw, Amp, t <sub>f</sub> =.3 μs Max	1100	800	7	3	50	15	20 min	TO-220S	T42-3
ECG2588	NPN-Si, HV, Amp	1500	1200	5	30mA	2	6	10 min	TO-220J	T41-1
ECG2590	NPN-Si, HV, Amp	1700	900	5	50mA	1.2	6	20 min	TO-220S	T42-3
ECG2591	NPN-Si, HV, Amp	2000	900	5	20mA	1.2	6	20 min	TO-220S	T42-3
ECG2592	NPN-Si, HV, Amp	2000	1800	5	15mA	2	6	10 min	TO-220J	T41-1
ECG2593	NPN-Si, HV, Amp	2100	2100	5	10mA	2	6	10 min	TO-220J	T41-1
ECG2594	NPN-Si, HV, Hi Current Sw t <sub>f</sub> =.3 μs Max	800	500	7	15	55	18	10 Typ	TO-3PM	T48-3
ECG2596	NPN-Si, HV, Hi Current Sw, t <sub>f</sub> =.2 μs typ	800	500	7	50	300	18	20 min	TO-3PL	T48-2
ECG2597	NPN-Si, HV, Hi Speed Sw, t <sub>f</sub> =.2 μs typ	1100	800	7	12	65	15	8 min	TO-3PM	T48-3
ECG2598	NPN-Si, HV, Hi Current Sw, t <sub>f</sub> =.3 μs max	1100	800	7	25	300	15	15 min	TO-3PL	T48-2
ECG2900 ECG2901	See FET Selector Guide Page 1-65	--	--	--	--	--	--			
ECG2920 thru 2924	See FET Selector Guide Page 1-65	--	--	--	--	--	--			
ECG2940 thru 2947	See FET Selector Guide Page 1-65	--	--	--	--	--	--			
ECG2980 thru 2981	See FET Selector Guide Page 1-65	--	--	--	--	--	--			
ECG2984 thru 2987	See FET Selector Guide Page 1-65	--	--	--	--	--	--			
ECG3300 thru 3304	See IGBT Selector Guide Page 1-72	--	--	--	--	--	--			
ECG3310 thru 3312	See IGBT Selector Guide Page 1-72	--	--	--	--	--	--			
ECG3320 thru 3323	See IGBT Selector Guide Page 1-72	--	--	--	--	--	--			

Notes: \* MP- Matched Pair

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

\* When alternate packages are shown it indicates a change 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