

# 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>CB0</sub>	Collector To Emitter Volts BV <sub>CE0</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.
ECG2559	NPN-Si, Darlington, MTR, RLY Driver, Gen Purp Amp, t <sub>f</sub> =1 μs (Compl to ECG2560)	120	120	6	16	75	50	2000 min	TO-3PM	T48-3
ECG2560	PNP-Si, Darlington, MTR, RLY Driver, Gen Purp Amp, t <sub>f</sub> =1 μs (Compl to ECG2559)	120	120	6	16	75	50	2000 min	TO-3PM	T48-3
ECG2561	NPN-Si, Video Amp	100	80	3	.5	15	1.2GHz	30 min	TO-220	T41
ECG2562	NPN-Si, Hi Current, Hi Speed Sw t <sub>f</sub> =0.3 μs Typ (Compl to ECG2563)	60	30	6	12	25	120	100 min	TO-220J	T41-1
ECG2563	PNP-Si, Hi Current, Hi Speed Sw t <sub>f</sub> =0.3 μs Typ (Compl to ECG2562)	60	30	6	12	25	120	100 min	TO-220J	T41-1
ECG2564	NPN-Si, Hi Speed Sw, Amp, t <sub>f</sub> =0.3 μs Typ (Compl to ECG2565)	60	30	6	8	30	120	100 min	TO-220S	T42-3
ECG2565	NPN-Si, Hi Speed Sw, Amp, t <sub>f</sub> =0.3 μs Typ (Compl to ECG2564)	60	30	6	8	30	120	100 min	TO-220S	T42-3
ECG2566	NPN-Si, Hi Current, Hi Speed Sw, t <sub>f</sub> =0.5 μs Typ (Compl to ECG2567)	60	50	6	12	30	10	100 min	TO-220J	T41-1
ECG2567	NPN-Si, Hi Current, Hi Speed Sw, t <sub>f</sub> =0.5 μs Typ (Compl to ECG2566)	60	50	6	12	30	10	100 min	TO-220J	T41-1
ECG2568	NPN-Si, Hi Speed Sw, Amp, t <sub>f</sub> =0.1 μs Typ (Compl to ECG2569)	80	60	5	10	30	100	100 min	TO-220J	T41-1
ECG2569	PNP-Si, Hi Speed Sw, Amp, t <sub>f</sub> =0.1 μs Typ (Compl to ECG2568)	80	60	5	10	30	100	100 min	TO-220J	T41-1
ECG2570	NPN-Si, Hi Speed Sw, t <sub>f</sub> =0.4 μs Typ (Compl to ECG2571)	90	80	6	7	30	20	100 min	TO-220J	T41-1
ECG2571	PNP-Si, Hi Speed Sw, t <sub>f</sub> =0.4 μs Typ (Compl to ECG2570)	90	80	6	7	30	20	100 min	TO-220J	T41-1
ECG2572	NPN-Si, Hi Speed Sw, Amp, t <sub>f</sub> =0.4 μs Typ	90	80	6	7	40	20	100 min	TO-220S	T42-3
ECG2574	NPN-Si, Hi Freq Video Amp (Compl to ECG2575)	120	120	3	.4	10	400	100 min	TO-220J	T41-1
ECG2575	PNP-Si, Hi Freq Video Amp (Compl to ECG2574)	120	120	3	.4	10	400	100 min	TO-220J	T41-1
ECG2576	NPN-Si, Audio Out Driver (Compl to ECG2577)	180	180	6	2	20	60	60 min	TO-220J	T41-1
ECG2577	PNP-Si, Audio Out Driver (Compl to ECG2576)	180	180	6	2	20	60	60 min	TO-220J	T41-1
ECG2578	NPN-Si, Hi Speed Sw, Amp, t <sub>f</sub> =0.5 μs Max	200	60	6	4.5	30	10	30 min	TO-220J	T41-1
ECG2579	NPN-Si, HV, Hi Speed Sw, t <sub>f</sub> =0.3 μs Max	400	200	6	7	50	10	10 min	TO-220	T41
ECG2580	NPN-Si, Hi Speed Sw, Amp, t <sub>f</sub> =0.3 μs Max	500	400	7	7	50	20	20 min	TO-220S	T42-3
ECG2581	NPN-Si, HV, Hi Speed Sw, t <sub>f</sub> =0.3 μs Max	500	400	7	12	70	20	10 min	TO-220	T41

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

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