

# 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>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.
ECG2540	NPN-Si, Darlington, HV Sw, Power Amp t <sub>f</sub> =5 μs	600	400	5	6	25	—	600 min	TO-220J	T41-1
ECG2541	NPN-Si, Darlington, MTR, RLY Driver, Gen Purp, t <sub>f</sub> =1 μs (Compl to ECG2542)	120	120	6	25	120	—	2000 min	TO-3PJ	T48-1
ECG2542	PNP-Si, Darlington, MTR, RLY Driver, Gen Purp, t <sub>f</sub> =1 μs (Compl to ECG2541)	120	120	6	25	120	—	2000 min	TO-3PJ	T48-1
ECG2543	NPN-Si, Darlington, Pwr Amp, Driver, Sw t <sub>f</sub> =3 μs	300	250	20	6	35	—	2000 min	TO-220J	T41-1
ECG2544	NPN-Si, Darlington, MTR, Printer, RLY, Driver	120	120	6	1.5	10	—	2000 min	TO-126	T45
ECG2545	NPN-Si, Darlington, Hi Speed Driver, Sw, t <sub>f</sub> =2 μs (Compl to ECG2546)	70	60	5	5	30	200	2000 min	TO-220	T41
ECG2546	PNP-Si, Darlington, Hi Speed Driver, Sw, t <sub>f</sub> =2 μs (Compl to ECG2545)	70	60	5	5	30	200	2000 min	TO-220	T41
ECG2547	NPN-Si, Darlington, Driver Sw, t <sub>f</sub> =1.6 μs (Compl to ECG2548)	110	100	6	8	30	—	1500 min	TO-220J	T41-1
ECG2548	PNP-Si, Darlington, Driver Sw, t <sub>f</sub> =1.4 μs (Compl to ECG2547)	110	100	6	8	30	—	1500 min	TO-220J	T41-1
ECG2549	NPN-Si, Darlington, Driver, Pwr Amp, t <sub>f</sub> =5 μs	200	200	7	10	50	—	1500 min	TO-220 FM	T42-2
ECG2550	NPN-Si, Darlington, Driver, Power Amp	500	400	12	10	50	—	150 min	TO-220 FM	T42-2
ECG2551	NPN-Si, Darlington, Driver, Pwr Amp, t <sub>f</sub> =1.6 μs (Compl to ECG2552)	70	60	6	10	30	—	2000 min	TO-220J	T41-1
ECG2552	PNP-Si, Darlington, Driver, Pwr Amp, t <sub>f</sub> =1.5 μs (Compl to ECG2551)	70	60	6	10	30	—	2000 min	TO-220J	T41-1
ECG2553	NPN-Si, Darlington, HV Sw, Driver, t <sub>f</sub> =2 μs	300	200	8	10	30	—	2500 Typ	TO-220J	T41-1
ECG2554	NPN-Si, Darlington, MTR, RLY Driver, Pwr Amp, w/Damper Diode t <sub>f</sub> =1.7 μs (Compl to ECG2555)	70	60	6	7	35	—	2000 min	TO-220S	T42-3
ECG2555	PNP-Si, Darlington, MTR, RLY Driver, Pwr Amp, w/Damper Diode t <sub>f</sub> =1.5 μs (Compl to ECG2554)	70	60	6	10	35	—	2000 min	TO-220S	T42-3
ECG2556	NPN-Si, Darlington, MTR, RLY Driver, Pwr Amp, t <sub>f</sub> =1.6 μs	110	100	6	8	40	—	1500 min	TO-220S	T42-3
ECG2557	NPN-Si, Darlington, HV Sw, Driver, Pwr Amp, t <sub>f</sub> =5 μs	200	200	7	15	100	—	1500 min	TO-247	T48-4
ECG2558	NPN-Si, Darlington, HV Sw w/ Damper Diode, t <sub>f</sub> =2 μs	1500	800	5	15	250	—	25 min	TO-3PL	T48-2

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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