

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 _{CBO}	Collector To Emitter Volts BV _{CEO}	Base to Emitter Volts BV _{EBO}	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.
ECG2515	NPN-Si, Hi Freq, Pwr Amp, Sw, t _f =50 ns (Compl to ECG2516)	120	100	6	4	20	180	140 min	TO-126M	T45-3
ECG2516	PNP-Si, Hi Freq, Pwr Amp, Sw, t _f =50 ns (Compl to ECG2515)	120	100	6	4	20	180	140 min	TO-126M	T45-3
ECG2517	NPN-Si, Hi Freq Amp, Sw, t _f =30 ns (Compl to ECG2518)	60	50	6	2.5	10	140	140 min	TO-126M	T45-4
ECG2518	PNP-Si, Hi Freq Amp, Sw, t _f =30 ns (Compl to ECG2517)	60	50	6	2.5	10	140	140 min	TO-126M	T45-4
ECG2519	NPN-Si, Hi Freq Amp, Sw, t _f =0.08 μs (Compl to ECG2520)	180	160	6	1.5	10	120	140 min	TO-126M	T45-4
ECG2520	PNP-Si, Hi Freq Amp, Sw, t _f =0.08 μs (Compl to ECG2519)	180	160	6	1.5	10	120	140 min	TO-126M	T45-4
ECG2521	NPN-Si, Hi Freq, Video Out	250	250	3	.3	10	400	60 min	TO-126M	T45-4
ECG2522	NPN-Si, Hi Speed Sw, t _f =2 μs Amp (Compl to ECG2523)	60	45	5	8	15	250	200 typ	TO-126N	T45-5
ECG2523	PNP-Si, Hi Speed Sw, t _f =2 μs Amp (Compl to ECG2522)	50	40	5	8	15	250	200 typ	TO-126N	T45-5
ECG2524	NPN-Si, Hi Current, Hi Speed Sw, t _f =0.02 μs (Compl to ECG2525)	60	50	6	8	20	180	200 typ	TO-126N	T45-5
ECG2525	PNP-Si, Hi Current, Hi Speed Sw, t _f =0.02 μs (Compl to ECG2524)	60	50	6	8	20	180	200 typ	TO-126N	T45-5
ECG2526	NPN-Si, Hi Speed Sw, Amp, t _f =0.05 μs typ (Compl to ECG2527)	120	100	6	4	20	180	200 typ	TO-126N	T45-5
ECG2527	PNP-Si, Hi Speed Sw, Amp, t _f =0.05 μs typ (Compl to ECG2526)	120	100	6	4	20	180	200 typ	TO-126N	T45-5
ECG2528	NPN-Si, Hi Speed Sw, Amp, t _f =0.08 μs Typ (Compl to ECG2529)	180	160	6	1.5	15	120	200 typ	TO-126N	T45-4
ECG2529	PNP-Si, Hi Speed Sw, Amp, t _f =0.08 μs Typ (Compl to ECG2528)	180	160	6	1.5	15	120	200 typ	TO-126N	T45-4
ECG2530	NPN-Si, HV, Sw, Amp, t _f =6 μs typ (Compl to ECG2531)	400	400	5	2	15	60	60 min	TO-126N	T45-4
ECG2531	PNP-Si, HV, Sw, Amp, t _f =6 μs typ (Compl to ECG2530)	400	400	5	2	15	60	60 min	TO-126N	T45-4
ECG2533	NPN-Si, Horiz Out, Sw t _f =2 μs max	1500	800	6	25	250	—	4 min	TO-3PL	T48-2
ECG2534	NPN-Si, Hi Current Sw, t _f =2 μs Amp (Compl to ECG2535)	90	80	6	12	80	20	100 min	TO-3PJ	T48-1
ECG2535	PNP-Si, Hi Current Sw, t _f =2 μs Amp (Compl to ECG2534)	90	80	6	12	80	20	100 min	TO-3PJ	T48-1
ECG2536	NPN-Si, Hi Current Sw, (Compl to ECG2537)	110	100	6	40	150	—	50 min	TO-3PJ	T48-1
ECG2537	PNP-Si, Hi Current Sw, (Compl to ECG2536)	110	100	6	40	150	—	50 min	TO-3PJ	T48-1
ECG2538	NPN-Si, HV, Hi Speed Sw, t _f =3 μs max	500	400	7	16	60	20	10 min	TO-3PJ	T48-3
ECG2539	NPN-Si, HV, Hi Speed Sw, t _f =3 μs max	500	400	7	25	160	20	10 min	TO-3PJ	T48-3

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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