

TABLE 11 — MILITARY SPECIFIED POWER TRANSISTORS (continued)

I _c Cont Amps Max	V _{CEO} (sus) Volts Min	Device Type		hFE Min/Max	@ I _c Amp	Resistive Switching			f _T MHz Min	P _D (Case) Watts @ 25°C	Case JEDEC/MOT	
						t _s μs Max	t _f μs Max	@ I _c Amp				
		NPN/#	PNP/#									
15	400	2N6547J,/525 TX		12/60	5	4.7*		10	6	175	TO-204/1	
		2N6675J,/537 TX, TXV**		8/20	10	2.5	0.5	10	15	175	TO-204AA/1	
20	75	2N5039J,/439 TX, TXV		30/150	2	2*		10	60	140	TO-204/1	
		80	2N5303J,/456A TX, TXV	2N5745J,/433 TX, TXV	15/60	10	3*		10	2	200	TO-204/1
			2N6283J,/504 TX, TXV	2N6286J,/505 TX, TXV	1250/18k	10	10*		10	8	175	TO-204/1
		90	2N5038J,/439 TX, TXV		50/200	2	2*		12	60	140	TO-204/1
25	100			30/120	10	1		10	40	200	TO-204/1	
				30/120	10	1		10	40	200	TO-204/1	
30	60	2N5302J,/456A TX, TXV	2N4399J,/433 TX, TXV	15/60	15	3*		10	2	200	TO-204/1	
50	60	2N5695J,/464 TX, TXV	2N5683J,/466 TX, TXV	15/60	25	3*		25	2	300	TO-204/197	
		2N5686J,/464 TX, TXV	2N5684J,/466 TX, TXV	15/60	25	3*		25	2	300	TO-204/197	
	100	2N6274J,/514 TX, TXV	2N6378J,/515 TX, TXV	30/120	20	1.05*		20	30	250	TO-204/197	
				30/120	20	1.05*		20	30	250	TO-204/197	
		2N6277J,/514 TX, TXV**	2N6379J,/515 TX, TXV	30/120	20	1.05*		20	30	250	TO-204/197	

MIL-S-19500 Detailed Spec. shown by Device Type

* t_{off}

** Consult Factory for qualification status.

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TABLE 12 — POWER DARLINGTONS

I _c Cont Amps Max	V _{CEO} (sus) Volts Min	Device Type		hFE Min/Max	@ I _c Amp	Resistive Switching			h _{FE} @ 1 MHz Min	P _D (Case) Watts @ 25°C	Case JEDEC/MOT
						t _s μs Max	t _f μs Max	@ I _c Amp			
		NPN	PNP								
2	40	MPS-U45	MPS-U95	4k min	1				100	10	/152
	60	TIP110	TIP115	1k min	1	2 typ	1 typ	1	25	50	TO-220/221A
	80	TIP111	TIP116	1k min	1	2 typ	1 typ	1	25	50	TO-220/221A
	100	TIP112	TIP117	1k min	1	2 typ	1 typ	1	25	50	TO-220/221A
MJD112 MJE270		MJD117 MJE271	1000 min 1.5k min	2 0.12	2 1.7 typ	1.3 typ	2	25 6	20 25	TO-252/369A-04 TO-225AA/77	

(continued)