



TMOS Power MOSFETs

Plastic Packages — TO-220AB

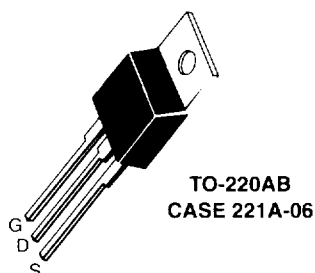


Table 1 — P-Channel

V _{DSS} (Volts) Min	R _{DS(on)} ® (Ohms) Max	I _D (Amps)	Device	I _D (cont) Amps	P _D * (Watts) Max	
500	6	1	MTP2P50	2	75	
450			MTP2P45			
200	1	3	MTP6P20E	6		60
	0.7	4	MTP8P20	8		
100	0.4		MTP8P10	12	88	
	0.3	6	MTP12P10			
60	0.6	3.5	MTP7P06	7	75	
	0.3	6	MTP2955	12		
			MTP12P06			
	0.12	11.5	MTP23P06	23		125

* T_C = 25 °C

Table 2 — N-Channel

V _{DSS} (Volts) Min	R _{DS(on)} ® (Ohms) Max	I _D (Amps)	Device	I _D (cont) Amps	P _D * (Watts) Max
1000	4	1.5	MTP3N100E	3	75
800	3	2	MTP4N80E	4	
600	3.8	1	MTP2N60E	2	50
	2.2	1.5	MTP3N60E	3	75
	1.2	3	MTP6N60E	6	125
500	3	1.5	IRF820	2.5	40
			MTP3N50E	3	50
	1.5	2	IRF830	4.5	75
			MTP4N50E	4	
	0.85	4	IRF840	8	125
	0.8		MTP8N50E		
400	1.8	1.5	IRF720	3	40
		2	MTP4N40E	4	50
	1	3	IRF730	4.5	75
		2.5	MTP5N40E	5	
	0.55	5	IRF740	10	125
			MTP10N40E		

* T_C = 25 °C

PLASTIC PACKAGES — TO-220AB (continued)

Table 2 — N-Channel — continued

V _{DSS} (Volts) Min	R _{DS(on)} ® (Ohms) Max	I _D (Amps)	Device	I _D (cont) Amps	P _D * (Watts) Max
250	0.45	5	MTP10N25	10	100
200	1.5	1.3	IRF610	2.5	20
	1		MTP5N20	5	75
	0.8		IRF620		40
	0.7	3.5	MTP7N20	7	75
	0.4	3	IRF630	9	
		4	MTP8N20	8	
	0.35	6	MTP12N20	12	100
	0.18	10	IRF640	18	125
	0.15		MTP20N20E	20	
150	0.3	5	MTP10N15	10	75
	0.25	7.5	MTP15N15	15	100
100	0.6	2	IRF510	4	20
	0.27	5	IRF520	9	40
	0.25		MTP10N10E	10	75
	0.16	7	IRF530	14	
		6	MTP12N10E	12	

* T_C = 25 °C

V _{DSS} (Volts) Min	R _{DS(on)} ® (Ohms) Max	I _D (Amps)	Device	I _D (cont) Amps	P _D * (Watts) Max
100	0.077	14	IRF540	28	125
	0.058	16.5	MTP33N10E	33	150
60	0.15	6	MTP3055E	12	40
	0.12	7.5	MTP15N06E	15	75
	0.085	10	MTP20N06	20	
	0.04	18	MTP36N06E	36	
	0.025	25	MTP50N06E	50	150
50	0.12	6	BUZ71A	12	40
			MTP12N05E		
			IRFZ22	14	
	0.1		BUZ71	12	
		7.5	MTP15N05E	15	
			IRFZ20		
	0.06	15	BUZ11A	25	75
	0.04		BUZ11	30	
	0.028	25	MTP50N05E	50	150

* T_C = 25 °C

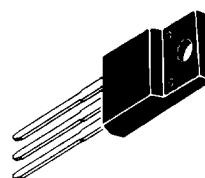
Table 3 — N- and P-Channel — Isolated TO-220

V _{DSS} (Volts) Min	R _{DS(on)} ® (Ohms) Max	I _D (Amps)	Device	I _D (cont) Amps	P _D * (Watts) Max
600	2.2	1.5	MTA2N60E	2	40
	1.2	3	MTA4N60E	4	50
500	1.5	2	MTA4N50E		40
	0.8	4	MTA5N50E	5	50
400	0.55	5	MTA6N40E	6	
100	0.25		MTA8N10E	8	35
	0.16	11	MTA11N10EL	11	40
	0.077	11.5	MTA21N10EL	21	50
60	0.3	6	MTA2955**	8	40
	0.15		MTA3055E	9	30
	0.085	7.5	MTA15N06	15	50
	0.025	25	MTA30N06E	30	

* T_C = 25 °C

** Indicates P-Channel

UL Indicates that Isolated TO-220 devices are U L Recognized



CASE 221D-02
ISOLATED TO-220
(MTA PREFIX)