

Selection by Package

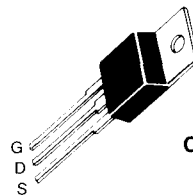
The product listed in Tables 1 through 21 have been compiled on an IBM or compatible personal computer disk for quick selection of product. This versatile disk may be obtained

by contacting a Motorola sale office in your area or by contacting a Motorola Literature Distribution Center listed on the back cover. Order the disk by requesting DK101/D.

Tables 1 through 22 are shown by package type. Within the tables the devices are arranged by breakdown voltage and on-resistance as the primary selection criteria. Device types shaded in Tables 1 through 6 are preferred devices recommended for new designs.

TMOS Power MOSFETs

Plastic Packages — TO-220AB



TO-220AB
CASE 221A-04

Table 3 — P-Channel

	$V_{(BR)DSS}$ (Volts) Min	$r_{DS(on)}$ @ I_D (Ohms) (Amps) Max		Device	I_D (cont) Amps	P_D^* (Watts) Max
	500	6	1	MTP2P50	2	75
	450			MTP2P45		
	250	4	1.5	MTP3P25	3	
		3	2.5	MTP5P25	5	
		2	4	MTP8P25	8	
NEW	200	0.5	6	IRF9640	11	125
NEW		0.8	3.5	IRF9630	6.5	75
	180	1	2.5	MTP5P20	5	
				MTP5P18		
	100	0.4	4	MTP8P10	8	
		0.3	6	MTP12P10	12	
	80	0.4	4	MTP8P08	8	
				MTP12P08	12	
NEW	60	0.6	3.5	MTP7P06	7	
		0.3	6	MTP2955	12	
				MTP12P06		
	50	0.2	10	MTP20P06	20	100
		0.6	3.5	MTP7P05	7	75
		0.3	6	MTP12P05	12	

* @ 25°C

Bold Type indicates new product.

Shaded devices are preferred devices and are recommended for new designs.

Table 4 — N-Channel

	$V_{(BR)DSS}$ (Volts) Min	$r_{DS(on)}$ @ I_D (Ohms) (Amps) Max		Device	I_D (cont) Amps	P_D^* (Watts) Max
	1000	10	0.5	MTP1N100	1	75
		4	1.5	MTP3N100	3	
	950	10	0.5	MTP1N95	1	
		4	1.5	MTP3N95	3	
	900	8	1	MTP2N90	2	
		4	2	MTP4N90	4	
	850	8	1	MTP2N85	2	
		4	2	MTP4N85	4	
	800	7	1.5	MTP3N80	3	
NEW		3	1.7	BUZ80A		
	750	7	1.5	MTP3N75		
	600	12	0.5	MTP1N60	1	
		6	1	MTP2N60	2	
		2.5	1.5	MTP3N60	3	
		2	2.5	BUZ90	4	
NEW		1.2	3	MTP6N60	6	125
	550	12	0.5	MTP1N55	1	75
		6	1	MTP2N55	2	
		2.5	1.5	MTP3N55	3	

* @ 25°C

Bold Type indicates new product.

Shaded devices are preferred devices and are recommended for new designs.