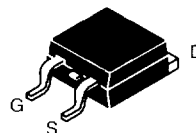


CASE 314B-02
(5 PIN TO-220)



CASE 418B-01

TMOS SENSEFETs

SENSEFETs are conventional power MOSFETs with an option provided to sense the drain current by measuring a small proportion of the total drain current. These devices are ideal for current mode switching regulators and motor controls.

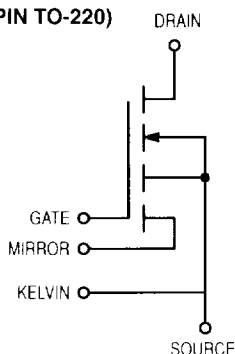


Table 9 — Case 314B-02

V _{DSS} (Volts) Min	R _{DS(on)} @ (Ohms) Max	I _D (Amps)	Device	I _D (cont) Amps	P _D * (Watts) Max
60	0.04	20	MTP40N06M	40	125
80	0.065	15	MTP30N08M	30	
100	0.25	5	MTP10N10M	10	

* T_C = 25 °C

D2PAK****

Table 11 — Case 418B-01

V _{DSS} (Volts) Min	R _{DS(on)} @ (Ohms) Max	I _D (Amps)	Device	I _D (cont) Amps	P _D * (Watts) Max
500	0.8	4	MTB8N50E	8	2.5**
400	0.55	5	MTB10N40E	10	
200	0.15	10	MTB20N20E	20	
100	0.058	16.5	MTB33N10E	33	
60	0.12	11.5	MTB23P06E***	23	
		7.5	MTB15N06E	15	
	0.05	15	MTB30N06EL	30	
	0.04	18	MTB36N06E	36	
	0.028	25	MTB50N06EL	50	
	0.025		MTB50N06E		

* T_C = 25 °C

** Power rating when mounted on an FR-4 glass epoxy printed circuit board with the minimum pad size recommended

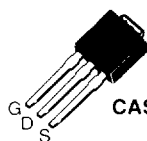
*** Indicates P-Channel

**** Add -1 Suffix to part number to order insertion mountable package

DPAK

Table 10 — Case 369A-09 Surface Mount
Case 369-05 Insertion Mountable

V _{DSS} (Volts) Min	R _{DS(on)} @ (Ohms) Max	I _D (Amps)	Device	I _D (cont) Amps	P _D * (Watts) Max
500	8	0.5	MTD1N50	1	1.75**
	4	1	MTD2N50	2	
450	8	0.5	MTD1N45	1	
400	5		MTD1N40		
200	1.5	1	MTD2N20	2	
	0.7	2	MTD4N20	4	
150	0.3	3	MTD6N15	6	
100	0.5	2.5	MTD5N10	5	
		4.5	MTD9N10E	9	
		3	MTD6N10	6	
80	0.3	2.5	MTD5N08L	5	



CASE 369-05****
TO-251



CASE 369A-09*****
TO-252

V _{DSS} (Volts) Min	R _{DS(on)} @ (Ohms) Max	I _D (Amps)	Device	I _D (cont) Amps	P _D * (Watts) Max
60	0.6	2	MTD4P06***	4	1.75**
	0.4	2.5	MTD5N06	5	
	0.3	6	MTD2955***	8	
	0.18		MTD3055EL	10	
	0.15	4	MTD3055E	8	
50	0.4	2.5	MTD5N05	5	
	0.1	5	MTD10N05E	10	

* T_C = 25 °C

** Power rating when mounted on an FR-4 glass epoxy printed circuit board with the minimum pad size recommended

*** Indicates P-Channel

**** Add -1 Suffix to part number to order insertion mountable package

***** Available in tape and reel -- add T4 Suffix to part number