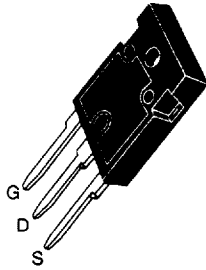


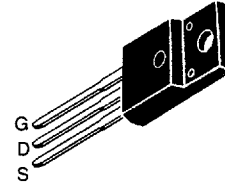


Isolated Plastic Packages — Isolated TO-220  
Isolated Mounting Hole — Isolated TO-247

T-39-01



TO-247  
CASE 340F-03  
(MTW PREFIX)  
STYLE 1



CASE 221D-02  
ISOLATED TO-220  
(MTA PREFIX)  
STYLE 1

Table 3 — N-Channel TO-247

V <sub>DSS</sub> (Volts) Min	R <sub>DS(on)</sub> (Ohms) Max	I <sub>D</sub> (Amps) @	Device	I <sub>D</sub> (cont) Amps	P <sub>D</sub> (1) (Watts) Max
1000	2	3	MTW6N100E(7)	6	180
	1.2	5	MTW10N100E(7)	10	250
800	3	2	<b>MTW4N80E</b>	4	150
	1.2	3.5	<b>MTW7N80E</b>	7	180
600	1.2	3	<b>MTW6N60E</b>	6	150
	0.5	4	<b>MTW8N60E</b>	8	180
500	0.8		<b>MTW8N50E</b>		150
	0.4	7	<b>MTW14N50E</b>	14	180
400	0.27	10	<b>MTW20N50E</b>	20	250
	0.55	5	<b>MTW10N40E</b>	10	150
	0.3	8	<b>MTW16N40E</b>	16	180
250	0.2	12	<b>MTW24N40E</b>	24	250
	0.28	7.5	<b>MTW15N25E</b>	15	150
200	0.14	11.5	<b>MTW23N25E</b>	23	180
	0.1	16	<b>MTW32N25E</b>	32	250
	0.15	11	<b>MTW22N20E</b>	22	150
150	0.085	16	<b>MTW32N20E</b>	32	180
	0.095	13	<b>MTW26N15E</b>	26	150
100	0.065	17.5	<b>MTW35N15E</b>	35	180
	0.058	18	<b>MTW36N10E</b>	36	150
50	0.04	22.5	<b>MTW45N10E</b>	45	180
	0.014	27	<b>MTW54N05E</b>	54	210

(1) T<sub>C</sub> = 25°C  
(7) To be introduced

Devices listed in bold, italic are Motorola preferred devices.

Table 4 — N- and P-Channel — Fully Isolated TO-220

These devices eliminate the need for isolation hardware which in turn reduces assembly costs and improves reliability.

V <sub>DSS</sub> (Volts) Min	R <sub>DS(on)</sub> (Ohms) Max	I <sub>D</sub> (Amps) @	Device	I <sub>D</sub> (cont) Amps	P <sub>D</sub> (1) (Watts) Max
600	3.8	1	<b>MTA1N60E</b>	1	40
	2.2	1.5	<b>MTA2N60E</b>	2	
	1.2	3	<b>MTA4N60E</b>	4	50
500	1.5	2	<b>MTA4N50E</b>		40
	0.8	4	<b>MTA5N50E</b>	5	50
400	1	2.5	<b>MTA4N40E</b>	4	40
	0.55	5	<b>MTA6N40E</b>	6	50
100	0.25		<b>MTA8N10E</b>	8	35
	0.3	6	<b>MTA2955</b> (2)		40
60	0.15		<b>MTA3055E</b>	9	30
	0.085	7.5	MTA15N06	15	50
	0.025	25	<b>MTA30N06E</b>	30	

(1) T<sub>C</sub> = 25°C  
(2) Indicates P-Channel  
Ⓢ Indicates UL Recognized — file #E69369