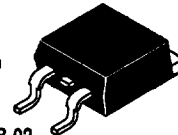


D²PAK Devices

Maximum die size 227 mil x 170 mil



CASE 418B-02

Schottky Rectifiers

Device	V _{RRM}	I _{F(AV)}	V _F @ 25°C Volts	I _R @ 25°C (mA)	t _{rr} nsec
<i>MBRB1545CT</i>	45	15	0.84	0.1	<10
<i>MBRB20200CT</i>	200	20	1.00	1.0	<10
<i>MBRB2060CT</i>	60	20	0.95	0.15	<10
<i>MBRB20100CT</i>	100	20	0.95	0.15	<10
<i>MBRB2515L</i>	15	25	0.042	15	<10
<i>MBRB2535CTL</i>	35	25	0.55	10	<10
<i>MBRB2545CT</i>	45	30	0.82	0.2	<10
<i>MBRB3030CT</i>	30	30	0.62	1.2	<10

Ultrafast Rectifiers

Device	V _{RRM}	I _{F(AV)}	V _F @ 25°C Volts	I _R @ 25°C (μA)	t _{rr} nsec
<i>MURHB840CT</i>	400	8	2.00	10	28
<i>MURB1620CT</i>	200	16	0.975	5	35
<i>MURB1660CT</i>	600	16	1.30	10	60



TMOS Power MOSFETs — N-Channel

V _{(BR)DSS} (Volts) Min	R _{DS(on)} (Ohms) Max	@	I _D (Amps)	Device	I _D (cont) Amps	P _D (1) (Watts) Max
1000	9		0.5	<i>MTB1N100E</i>	1	2.5 ⁽³⁾
	4		1.5	<i>MTB3N100E</i>	3	
800	3		2	<i>MTB4N80E</i>	4	
600	1.20		3	<i>MTB6N60E</i>	6	
500	0.80		4	<i>MTB8N50E</i>	8	
400	0.55		5	<i>MTB10N40E</i>	10	
200	0.16		10	<i>MTB20N20E</i>	20	
100	0.060		16.5	<i>MTB33N10E</i>	33	
60	0.12		7.5	<i>MTB15N06E</i>	15	
	0.05		15	<i>MTB30N06EL</i> ⁽²⁾	30	
	0.04		18	<i>MTB36N06E</i>	36	
	0.028		25	<i>MTB50N06EL</i> ⁽²⁾	50	
	0.025		25	<i>MTB50N06E</i>	50	
	0.014		30	<i>MTB60N06HD</i>	60	
	0.01		37.5	<i>MTB75N06HD</i>	75	

(1) T_C = 25°C

(2) Indicates Logic level

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

See Packaging Information under Technical Data Section for reel size, quantity and ordering information.
Devices listed in bold, italic are Motorola preferred devices.