

# MMD200FB160X

1600V 200A Rectifier Module  
RoHS Compliant

October 2010

PRELIMINARY

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## Features

- Package with screw terminals
- Isolation voltage 3000 V~
- Planar passivated chips
- Blocking voltage up to 1600 V
- Low forward voltage drop
- UL registered E332185

## Applications

- Supplies for DC power equipment
- Input rectifiers for PWM inverter
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**ELECTRICAL AND THERMAL CHARACTERISTICS**  $T_C=25^\circ\text{C}$  unless otherwise specified

Symbol	Test Condition	Value	Unit
$I_R$	$V_R = V_{RRM}; T_J = 25$	0.5	mA
	$V_R = V_{RRM}; T_J = T_{JM}$	5	mA
$V_F$	$I_F = 300\text{A}; T_J = 125$	1.56	V
$V_{T0}$	For power-loss calculations only	0.8	V
$R_{thJC}$	per diode	0.54	K/W
	Per module	0.09	K/W
$R_{thCS}$	per diode	0.18	K/W
	per module	0.03	K/W

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