

Absolute Maximum Ratings* T_a = 25°C unless otherwise noted

Symbol	Parameter	Value	Unit	
V _{RRM}	Maximum Repetitive Reverse Voltage	200	V	
V _R	Maximum DC Reverse Voltage 200		V	
I _{F(AV)}	Average Rectified Forward Current, T _C =115°C	10 (Per Leg) 20 (Per Device)	А	
I _{FSM}	Peak Forward Surge Current, 8.3mS Half Sine wave	150	А	
T _{STG}	Storage Temperature Range	-55 to +150	°C	
Tj	Operating Junction Temperature	150	°C	

* These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

Thermal Characteristics* T_a = 25°C unless otherwise noted

Symbol	Parameter	Max.	Unit
$R_{ ext{ heta}JC}$	Thermal Resistance, Junction to Case per Leg	1.5	°C/W
R _{θJA}	Thermal Resistance, Junction to Ambient per Leg	62.5	°C/W

MIL standard 883-1012 & JESD51-10

Electrical Characteristics* T_a = 25°C unless otherwise noted

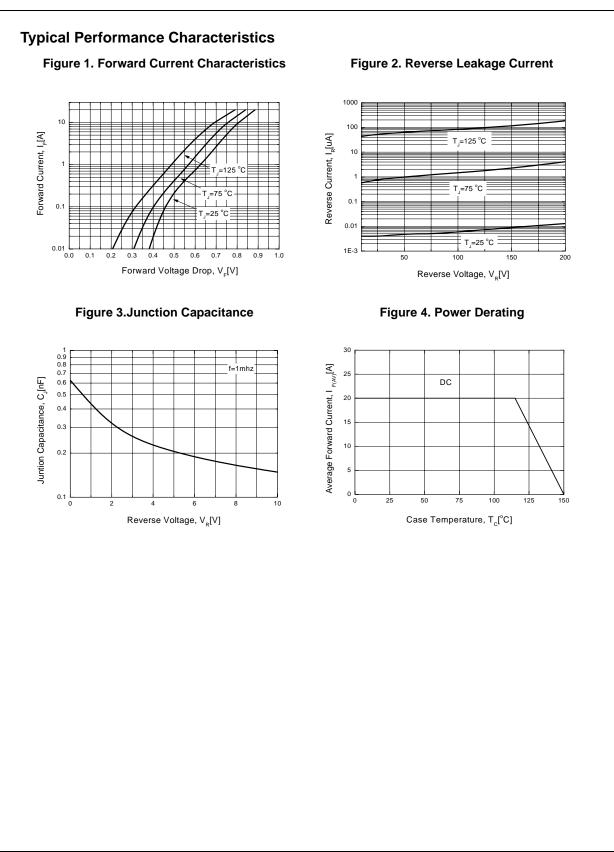
Symbol	Parameter	Test Condition	Min.	Max.	Unit
I _R	Reverse Current	$V_R = 200V$ $T_C = 25$ $V_R = 200V$ $T_C = 125$		0.2 5	mA
V _F	Forward Voltage	$\begin{array}{ccc} I_{F}{=}10A & T_{C}{=}&25\\ I_{F}{=}10A & T_{C}{=}&125\\ I_{F}{=}20A & T_{C}{=}&25\\ I_{F}{=}20A & T_{C}{=}&125 \end{array}$	S °C S °C	0.9 0.8 1.0 0.9	V

DC Item are tested by Pulse Test : Pulse Width≤300µs, Duty Cycle≤2%

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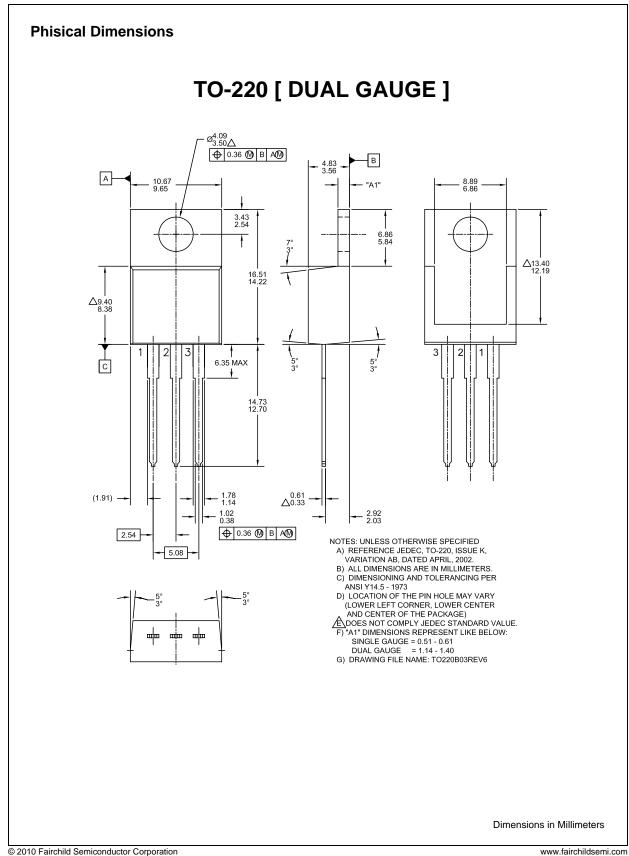
MBR20200CT — Dual High Voltage Schottky Rectifier

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