

Schottky Barrier Rectifier

RB215T-90NZ

FEATURES

- · With TO-220F packaging
- · High junction temperature capability
- · Low forward voltage
- High current capability
- · Low power loss, high efficiency
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

PIN:1 Anode 2 Cathode 3 Anode 1 2 3 TO-220F package

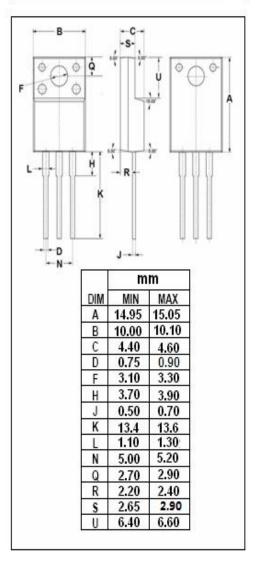
APPLICATIONS

- Switching power supply
- Free-Wheeling diodes
- · Reverse battery protection
- Center tap configuration



ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNI T
V _{RRM} V _{RMS} V _R	Peak Repetitive Reverse Voltage RMS Voltage DC Blocking Voltage	90	V
l _{F(AV)}	Average Rectified Forward Current @Tc=110℃	20	Α
I _{F(RMS)}	RMS Forward Current	40	Α
I _{FSM}	Nonrepetitive Peak Surge Current (10ms single half sine-wave superimposed on rated load conditions)	100	Α
TJ	Junction Temperature	-40~150	$^{\circ}$
T _{stg}	Storage Temperature Range	-40~150	$^{\circ}$





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THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance,Junction to Case	1.75	°C/W

ELECTRICAL CHARACTERISTICS (Pulse Test: Pulse Width=300 µ s,Duty Cycle≤1%)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V _F	Maximum Instantaneous Forward Voltage	I _F = 10A; Tj= 25°C	0.75	V
I _R	Maximum Instantaneous Reverse Current	V _R = rated V _{RRM} ; Tj= 25 °C	0.4	mA



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