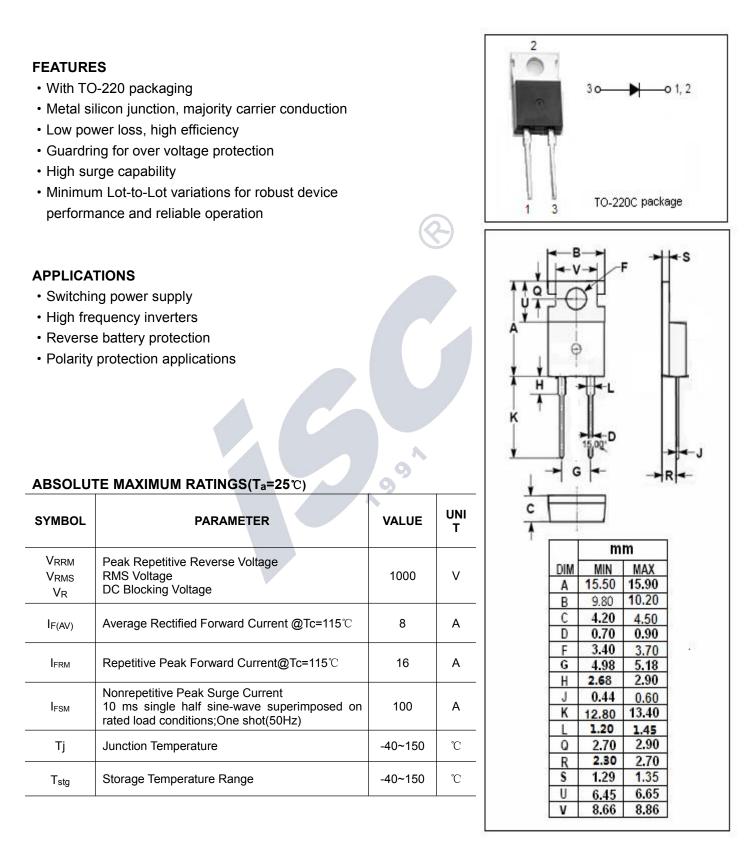


# **Ultra fast Rectifier**

### INCHANGE SEMICONDUCTOR

# BYT08P-1000



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## **Ultra fast Rectifier**

## BYT08P-1000

#### THERMAL CHARACTERISTICS

| SYMBOL              | PARAMETER                            | MAX | UNIT |
|---------------------|--------------------------------------|-----|------|
| R <sub>th j-c</sub> | Thermal Resistance, Junction to Case | 2   | °C/W |

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

| SYMBOL | PARAMETER                             | CONDITIONS  | МАХ        | UNIT |
|--------|---------------------------------------|---|------------|------|
| VF     | Maximum Instantaneous Forward Voltage | I <sub>F</sub> = 8A;Tc= 25°C<br>I <sub>F</sub> = 8A;Tc= 100°C | 1.9<br>1.8 | V    |
| IR     | Maximum Instantaneous Reverse Current | V <sub>R</sub> = rated V <sub>RRM;</sub> Tc= 25°C<br>Tc=100°C | 35<br>2000 | μA   |
| trr    | Maximum Reverse Recovery Time         | l⊧ =1A;dl⊧/dt=-15A/ μ s;V <sub>R</sub> =30V                   | 155        | ns   |

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