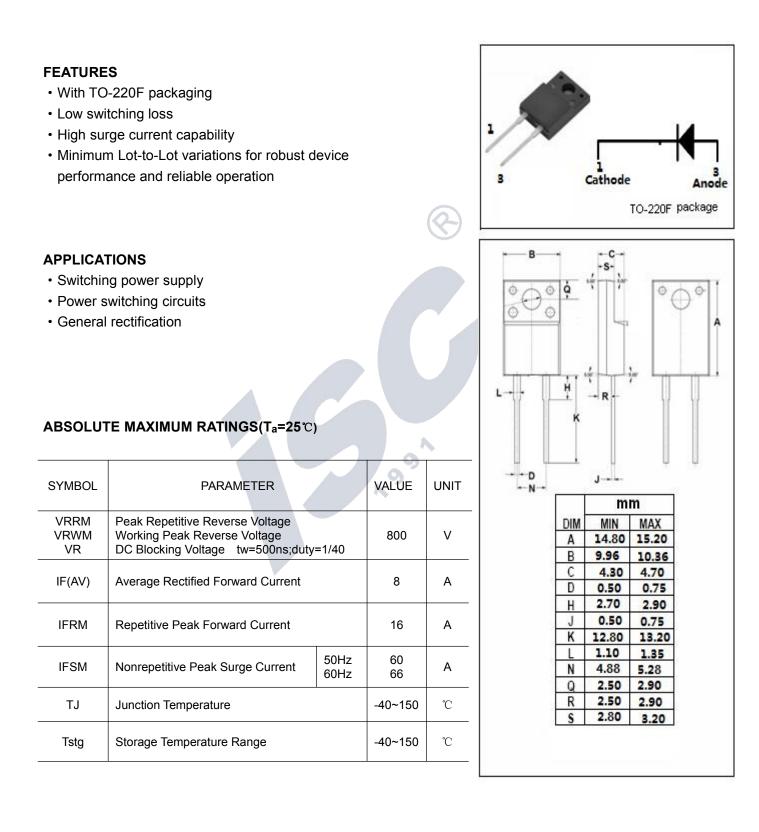


Ultra fast Rectifier

INCHANGE SEMICONDUCTOR

BYR29X-800



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THERMAL CHARACTERISTICS

| SYMBOL | PARAMETER | МАХ | UNIT |
|---------------------|--------------------------------------|-----|------|
| R _{th j-c} | Thermal Resistance, Junction to Case | 5.5 | °C/W |

ELECTRICAL CHARACTERISTICS(Ta=25°C) (Pulse Test: Pulse Width=300 μ s,Duty Cycle \leq 2%)

| SYMBOL | PARAMETER | CONDITIONS | MAX | UNIT |
|-----------------|---------------------------------------|---|--------------------|------|
| VF | Maximum Instantaneous Forward Voltage | I⊧=8A,Tj=25°C I⊧=8A,Tj=150°C I⊧=20A,Tj=25°C | 1.7 1.5 1.95 | V |
| I _R | Maximum Instantaneous Reverse Current | V _R = V _{RWM;} Tj=25°C V _R = V _{RWM;} Tj=100°C | 10 200 | μA |
| t _{rr} | Maximum Reverse Recovery Time | I _F =1A;dI _F /dt=100A/ μ s;V _R =30V | 75 | ns |

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