Nexperia’s recovery rectifiers deliver high power density while minimizing reverse recovery time and loss. For efficient switching and power conversion applications in automotive, industrial and consumer markets.

**Portfolio**
- 200 V **Hyperfast** switching parts with optimized recovery time (trr) of < 25 ns
- High-speed switching capability
- Low voltage drop (VF @ I_F(max) ~ 1 V)
- Low leakage current, also at high temperature
- AEC-Q101 qualified parts (175 °C T(J(max))

**Robust & thermally efficient**
- High current pulse capability due to solid copper clip-bond
- High power density / high efficiency planar technology
- Low magnetic inductance optimizes switching behavior

**Economical use of space**
- Just 1 mm package height for thin PCB designs
- More than 50% footprint savings – CFP3 compared to SMA

**Key applications**
- Polarity protection
- DC/DC conversion
- AC/DC conversion
- Freewheeling of inductive load
- Standard switching application
- High-speed switching application
## Recovery rectifiers - Automotive qualified

<table>
<thead>
<tr>
<th>$V_{R\text{max}}$ (V)</th>
<th>$V_{F\text{max}}$ (V)</th>
<th>$I_R\text{max}$ (μA)</th>
<th>$V_F\text{max}$ (V)</th>
<th>$t_{rr\text{max}}$ (ns)</th>
<th>Package</th>
<th>CFPS (SOD128)</th>
<th>CFP3 (SOD123W)</th>
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Types in **bold** represent new products.