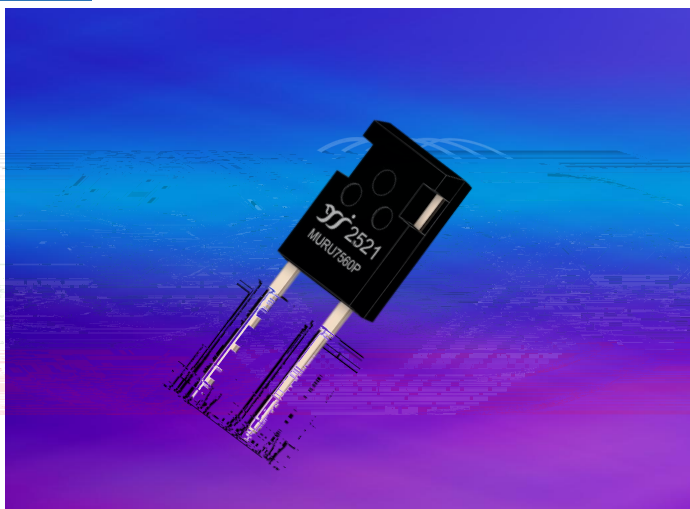


FRED-TJ

- 1.
- 2.
- 3.

Vf-Qrr

FAE



Yangjie Technology recently launched several TO-247AC packaged FRED products. This series of products adopts platinum diffusion technology to control the carrier lifetime and uses a planar extension design, achieving extremely low reverse recovery charge and small reverse leakage. Under the same test conditions, it achieves a good trade-off between Qrr and VF, reducing switching losses while taking into account conduction losses, and achieving the optimal energy efficiency. The chip adopts an anti-high-temperature aging terminal design and advanced packaging technology, which enhances the reliability and stability of the product, ensuring long-term stable operation of the chip in complex environments. It is suitable for use in charging piles, household appliances, etc.

## New Product Announcement

1. Excellent performance: good switching characteristics, with good Vf-Qrr trade-off characteristics.
2. High reliability: the latest generation of planar epitaxial structure, multi-layer passivation, low leakage current, good reliability.
3. Technical support: has a professional FAE team to provide timely technical support and application guidance.

| Product Name | Package  | V <sub>RRM</sub> (V) | I <sub>O</sub> (A) | I <sub>FSM</sub> (A) | V <sub>F</sub> (V) | T <sub>rr</sub> ns | T <sub>j</sub> (°C) |
|--------------|----------|----------------------|--------------------|----------------------|--------------------|--------------------|---------------------|
| MUR6060P     | TO-247AC | 600                  | 60                 | 600                  | 1.80               | 50                 | 175                 |
| MUR6060PL    | TO-247AC | 600                  | 60                 | 500                  | 1.90               | 35                 | 175                 |
| MUR7560PL    | TO-247AC | 600                  | 75                 | 500                  | 2.00               | 35                 | 175                 |
| MURU7560P    | TO-247AC | 600                  | 75                 | 600                  | 1.48               | 55                 | 175                 |
| MURS7560PL   | TO-247AC | 600                  | 75                 | 540                  | 2.10               | 33                 | 175                 |
| MUR60120PL   | TO-247AC | 1200                 | 60                 | 450                  | 3.00               | 45                 | 175                 |

