

## Ultrafast Die-Planar

| Part Number  | V <sub>RWM</sub><br>(V) | Chip<br>Size<br>(mil) | I <sub>F</sub><br>(A) | I <sub>FSM</sub> Max.<br>(A) | V <sub>F</sub> Max.<br>@I <sub>F</sub><br>(V) | V <sub>F</sub> Max.<br>@I <sub>F</sub> ,125°C<br>(V) | I <sub>R</sub> Max.<br>@V <sub>RWM</sub><br>(uA) | I <sub>R</sub> Max.<br>@V <sub>RWM</sub> ,125°C<br>(mA) | T <sub>J</sub> Max.<br>(°C) | T <sub>rr</sub> Max.<br>(ns) |
|--------------|-------------------------|-----------------------|-----------------------|------------------------------|---|--|--|---|-----------------------------|------------------------------|
| Unit         | V                       | mil                   | A                     | A                            | V   | V  | uA   | mA  | °C                          | ns                           |
| UF07220035   | 200                     | 72                    | 5                     | 80                           | 1   | 0.96   | 5  | 1   | 150                         | 35                           |
| UF08020035   | 200                     | 80                    | 5                     | 80                           | 1   | 0.96   | 5  | 1   | 150                         | 35                           |
| UF10020035   | 200                     | 100                   | 10                    | 120                          | 1   | 0.96   | 10   | 1   | 150                         | 35                           |
| UF12020035   | 200                     | 120                   | 15                    | 160                          | 1   | 0.96   | 10   | 1   | 150                         | 35                           |
| UF15020035   | 200                     | 150                   | 30                    | 250                          | 1   | 0.96   | 20   | 2   | 150                         | 35                           |
| UF07230045   | 300                     | 72                    | 5                     | 80                           | 1.25  | 1.21   | 5  | 1   | 150                         | 45                           |
| UF08030045   | 300                     | 80                    | 5                     | 80                           | 1.25  | 1.21   | 5  | 1   | 150                         | 45                           |
| UF10030045   | 300                     | 100                   | 10                    | 120                          | 1.25  | 1.21   | 10   | 1   | 150                         | 45                           |
| UF15030045   | 300                     | 150                   | 30                    | 250                          | 1.25  | 1.21   | 20   | 2   | 150                         | 45                           |
| UF07240045   | 400                     | 72                    | 5                     | 80                           | 1.25  | 1.21   | 5  | 1   | 150                         | 45                           |
| UF08040045   | 400                     | 80                    | 5                     | 80                           | 1.25  | 1.21   | 5  | 1   | 150                         | 45                           |
| UF10040045   | 400                     | 100                   | 10                    | 120                          | 1.25  | 1.21   | 10   | 1   | 150                         | 45                           |
| UF15040045   | 400                     | 150                   | 30                    | 250                          | 1.35  | 1.31   | 20   | 2   | 150                         | 45                           |
| UF07260050   | 600                     | 72                    | 5                     | 80                           | 1.45  | 1.41   | 5  | 1   | 150                         | 50                           |
| UF08060050   | 600                     | 80                    | 5                     | 80                           | 1.45  | 1.41   | 5  | 1   | 150                         | 50                           |
| UF09060050   | 600                     | 90                    | 10                    | 100                          | 1.45  | 1.41   | 10   | 1   | 150                         | 50                           |
| UF12060050   | 600                     | 120                   | 15                    | 120                          | 1.45  | 1.41   | 10   | 1   | 150                         | 50                           |
| UF17560050   | 600                     | 175                   | 30                    | 250                          | 1.45  | 1.41   | 20   | 2   | 150                         | 50                           |
| UF20060050   | 600                     | 200                   | 60                    | 500                          | 1.45  | 1.41   | 40   | 4   | 150                         | 50                           |
| UF0901000100 | 1000                    | 90                    | 5                     | 60                           | 2.00  | 1.50   | 10   | 1.5   | 150                         | 100                          |
| UF1051000100 | 1000                    | 100                   | 7.5                   | 90                           | 2.00  | 1.50   | 15   | 2   | 150                         | 100                          |
| UF1201000100 | 1000                    | 120                   | 10                    | 100                          | 2.00  | 1.50   | 20   | 3   | 150                         | 100                          |
| UF1601000100 | 1000                    | 120 X 160             | 15                    | 120                          | 2.00  | 1.50   | 30   | 5   | 150                         | 100                          |
| UF1501000100 | 1000                    | 150                   | 20                    | 150                          | 2.00  | 1.50   | 40   | 6   | 150                         | 100                          |
| UF1751000100 | 1000                    | 175                   | 30                    | 250                          | 2.00  | 1.50   | 50   | 10  | 150                         | 100                          |
| UF2001000100 | 1000                    | 200                   | 45                    | 500                          | 2.00  | 1.50   | 60   | 15  | 150                         | 100                          |
| UF2501000100 | 1000                    | 250                   | 75                    | 700                          | 2.00  | 1.50   | 100  | 25  | 150                         | 100                          |
| UF2751000100 | 1000                    | 275                   | 90                    | 1000                         | 2.00  | 1.50   | 150  | 30  | 150                         | 100                          |
| UF0901200100 | 1200                    | 90                    | 5                     | 60                           | 2.25  | 1.6③   | 55   | 0.5   | 150                         | 100                          |
| UF1051200100 | 1200                    | 100                   | 7.5                   | 90                           | 2.25  | 1.6③   | 60   | 0.8   | 150                         | 100                          |
| UF1201200100 | 1200                    | 120                   | 10                    | 100                          | 2.25  | 1.6③   | 100  | 1   | 150                         | 100                          |
| UF1601200100 | 1200                    | 120 X 160             | 15                    | 120                          | 2.25  | 1.6③   | 150  | 1.5   | 150                         | 100                          |
| UF1501200100 | 1200                    | 150                   | 20                    | 150                          | 2.25  | 1.6③   | 180  | 2   | 150                         | 100                          |
| UF1751200100 | 1200                    | 175                   | 30                    | 250                          | 2.25  | 1.6③   | 200  | 3   | 150                         | 100                          |
| UF2001200100 | 1200                    | 200                   | 45                    | 500                          | 2.25  | 1.6③   | 300  | 5   | 150                         | 100                          |
| UF2501200100 | 1200                    | 250                   | 75                    | 700                          | 2.25  | 1.6③   | 550  | 7   | 150                         | 100                          |
| UF2751200100 | 1200                    | 275                   | 90                    | 1000                         | 2.25  | 1.6③   | 800  | 10  | 150                         | 100                          |

③ I<sub>F</sub>=500mA, I<sub>R</sub>=1A, and I<sub>sm</sub>=250mA