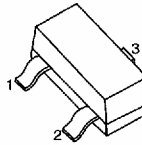


# DIODES



**SOT-23/TO-236AB**

**'TMPD' GENERAL-PURPOSE and LOW-LEAKAGE DIODES**  
**ELECTRICAL CHARACTERISTICS at  $T_A = 25^\circ\text{C}$**

| Device Type | Description     | Marking | $I_F$ Max. (mA) | $V_{BR}$ Min. (V) | $V_F$    |              | $I_R$ Max. (nA) | $t_{rr}$ Max. (ns) | $C_O$ Max. (pF) | Pinning 1, 2, 3 |
|-------------|-----------------|---------|-----------------|-------------------|----------|--------------|-----------------|--------------------|-----------------|-----------------|
|             |                 |         |                 |                   | Max. (V) | @ $I_F$ (mA) |                 |                    |                 |                 |
| TMPD914     | General-Purpose | 5D      | 600             | 100               | 1.0      | 10           | 25              | 4.0                | 6.0             | A NC K          |
| TMPD2836    | Common Anode    | A2      | 500             | 75                | 1.0      | 10           | 0.10            | 6.0                | 4.0             | K1 K2 A         |
| TMPD2838    | Common Cathode  | A6      | 500             | 75                | 1.0      | 10           | 0.10            | 6.0                | 4.0             | A1 A2 K         |
| TMPD4148    | General-Purpose | 5D      | 600             | 100               | 1.0      | 10           | 25              | 4.0                | 4.0             | A NC K          |
| TMPD6050    | Low Leakage     | 5A      | 600             | 70                | 1.1      | 100          | 0.10            | 10                 | 2.5             | A NC K          |
| TMPD7000    | Dual In-Series  | 5C      | 600             | 100               | 1.1      | 100          | 0.30            | 15                 | 1.5             | A1 K2 A/K       |

**'TMPD' SCHOTTKY DIODES (see also A8920SLR)**  
**ELECTRICAL CHARACTERISTICS at  $T_A = 25^\circ\text{C}$**

| Device Type | $V_{BR}$ Min. (V) | $V_F$ Max.       |                    | $I_R$ Max.       |                   |                   | $C_O$ Max. (pF) | Pinning 1, 2, 3 |
|-------------|-------------------|------------------|--------------------|------------------|-------------------|-------------------|-----------------|-----------------|
|             |                   | $I_F = 1$ mA (V) | $I_F = 10$ mA (mA) | $V_R = 1$ V (nA) | $V_R = 20$ V (nA) | $V_R = 50$ V (nA) |                 |                 |
| TMPD5711    | 70                | 0.41             | 0.75               | —                | 50                | 200               | 2.0             | A NC K          |
| TMPD6916    | 40                | 0.34             | 0.47               | 100              | 200               | —                 | 5.0             | A NC K          |
| TMPD6924    | 70                | 0.41             | 0.75               | —                | —                 | 200               | 2.0             | A NC K          |

**PRO-ELECTRON DEVICE TYPES**  
**ELECTRICAL CHARACTERISTICS at  $T_A = 25^\circ\text{C}$**

| Device Type | Description     | Marking | $I_F$ Max. (mA) | $V_{BR}$ Min. (V) | $V_F$    |              | $I_R$ Max. (nA) | $t_{rr}$ Max. (ns) | $C_O$ Max. (pF) | Pinning 1, 2, 3 |
|-------------|-----------------|---------|-----------------|-------------------|----------|--------------|-----------------|--------------------|-----------------|-----------------|
|             |                 |         |                 |                   | Max. (V) | @ $I_F$ (mA) |                 |                    |                 |                 |
| BAS16       | General-Purpose | A6      | 600             | 75                | 0.72     | 1.0          | 1000            | 6.0                | 2.0             | A NC K          |
| BAV70       | Common Cathode  | A4      | 100             | 70                | 0.86     | 10           | 5000            | 6.0                | 1.5             | A1 A2 K         |
| BAV99       | Dual In-Series  | A7      | 70              | 70                | 1.1      | 50           | 2500            | 6.0                | 2.0             | A1 K2 A/K       |
| BAW56       | Common Anode    | A1      | 70              | 70                | 1.1      | 50           | 2500            | 6.0                | 2.0             | K1 K2 A         |