



## Advantages from different barrier of Schottky

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### 1. Platinum (Pt) Barrier Schottky

- (1) Extremely low Reverse Current Leakage ( $I_R$ ) less than  $10\mu A$  @  $25^\circ C$ .
- (2) High Operating Temperature ( $T_j$ ) from  $150^\circ C$ . to  $175^\circ C$ .
- (3) High Avalanche Level Ability.
- (4) Good Electrostatic Discharge (ESD) Protection Capability from 8 to 12kv.
- (5) Lower Electromagnetic Interference (EMI) effect on the high frequency application.

### 2. Molybdenum (Mo) Barrier Schottky

- (1) Strong Electrostatic Discharge (ESD) Protection Capability from 15 to 35kv.
- (2) High Operating Temperature ( $T_j$ ) to  $150^\circ C$
- (3) Lower Electromagnetic Interference (EMI) effect on the high frequency application.

### 3. Chromium (Cr) Barrier Schottky

- (1) Extremely Low Forward Voltage Drop ( $V_F$ ) less than  $0.38V$  @  $25^\circ C$
- (2) Lower Electromagnetic Interference (EMI) effect on the high frequency application.

### 4. Alloy (Chromium+Nickle) Barrier Schottky

- (1) Low Forward Voltage Drop ( $V_F$ ) less than  $0.35V$  @  $125^\circ C$
- (2) Lower Electromagnetic Interference (EMI) effect on the high frequency application.

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