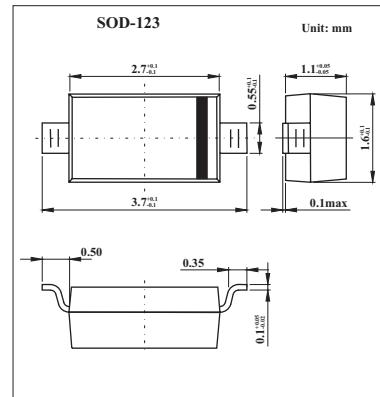


Schottky Barrier Switching Diodes

KB160VA-30

■ Features

- Low forward voltage drop.
- Guard ring construction for transient protection.
- Negligible reverse recovery time.



■ Absolute Maximum Ratings Ta = 25°C

| Parameter | Symbol | Rating | Unit |
|----------------------------|------------------|------------|------|
| Peak reverse voltage | V _{RM} | 30 | V |
| DC reverse voltage | V _R | 30 | V |
| Mean rectifying current | I _o | 1 | A |
| Peak forward surge current | I _{FSM} | 5 | A |
| Junction temperature | T _j | 150 | °C |
| Storage temperature | T _{stg} | -40 to 150 | °C |

■ Electrical Characteristics Ta = 25°C

| Parameter | Symbol | Testconditons | Min | Typ | Max | Unit |
|-----------------|----------------|-----------------------|-----|------|------|------|
| Forward voltage | V _F | I _F =700mA | | 0.50 | 0.55 | V |
| Reverse current | I _R | V _R =30V | | 1.5 | 50 | µA |