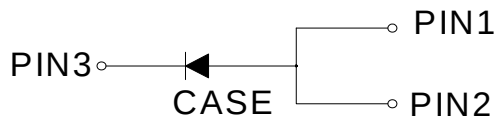
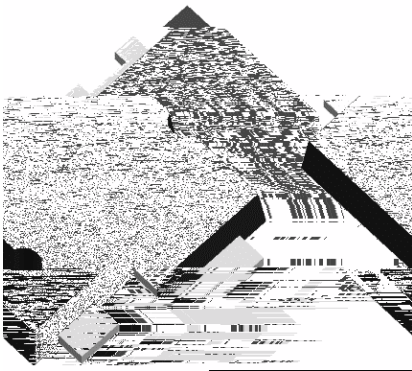


## Schottky Rectifier



### Features

- Ideal for automated placement
- Low power losses
- High forward surge capability
- Meets MSL level1, per J-STD-020, LF maximum peak of 260 °C

### Typical Applications

For use in lighting, fast switching rectification of power suppliers, inverters, converters, and freewheeling diodes for consumer, automotive, and telecommunication.

### Mechanical Data

- **Package:** TO-277  
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, Halogen free
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102

### ■Maximum Ratings (T<sub>a</sub>=25 Unless otherwise specified)

| PARAMETER                                               | SYMBOL           | UNIT             |           |
|---------------------------------------------------------|------------------|------------------|-----------|
|                                                         | FSM              | A                | 250       |
| Current Squared Time<br>@1ms≤t≤8.3ms T <sub>j</sub> =25 | I <sup>2</sup> t | A <sup>2</sup> s | 259       |
| Storage Temperature                                     | T <sub>stg</sub> |                  | -55 ~+150 |
| Junction Temperature                                    | T <sub>j</sub>   |                  | -55 ~+150 |

### ■Electrical Characteristics T<sub>a</sub>=25 Unless otherwise specified

| PARAMETER            | SYMBOL          | UNIT | TEST CONDITIONS                             | Min | Typ  | Max  |
|----------------------|-----------------|------|---------------------------------------------|-----|------|------|
| Peak Forward Voltage | V <sub>FM</sub> | V    | I <sub>FM</sub> =10.0A, T <sub>j</sub> =25  | -   | 0.78 | 0.82 |
|                      |                 |      | I <sub>FM</sub> =10.0A, T <sub>j</sub> =125 | -   | 0.66 | 0.7  |

Reverse BreakdQ

Note2:Pulse test:pulse width 40mS



## SS10U150PA

### ■ Thermal Characteristics $T_a=25$ Unless otherwise specified

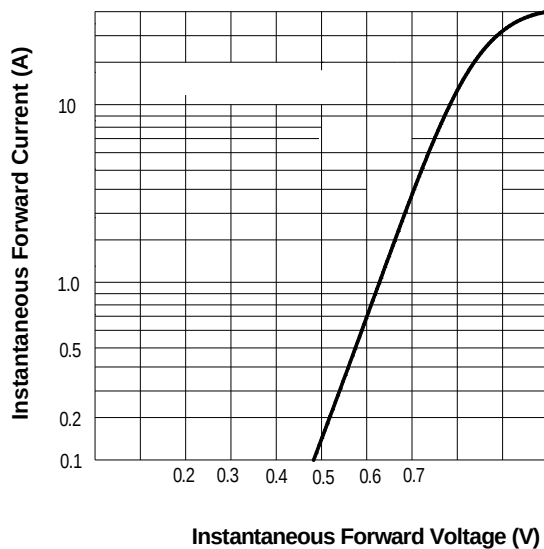
| PARAMETER          |                  | SYMBOL           | UNIT | SS10U150PA |
|--------------------|------------------|------------------|------|------------|
| Thermal Resistance | Junction to Case | $R_{\theta J-C}$ | /W   | 8          |

### ■ Ordering Information (Example)

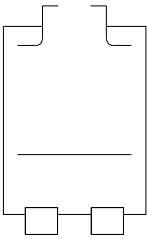
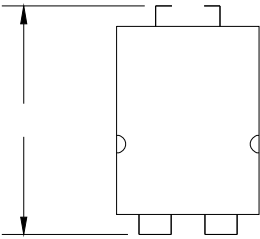
| PREFERED P/N | PACKAGE CODE | UNIT WEIGHT(g)     | MINIMUM PACKAGE(pcs) | INNER BOX QUANTITY(pcs) | OUTER CARTON QUANTITY(pcs) | DELIVERY MODE |
|--------------|--------------|--------------------|----------------------|-------------------------|----------------------------|---------------|
| SS10U150PA   | F1           | Approximate 0.0828 | 5000                 | 10000                   | 80000                      | 13" reel      |

### ■ Characteristics(Typical)

FIG3: Forward Voltage



v 2XWOLQH 'LPHQVLRQV





## Disclaimer

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The product listed herei