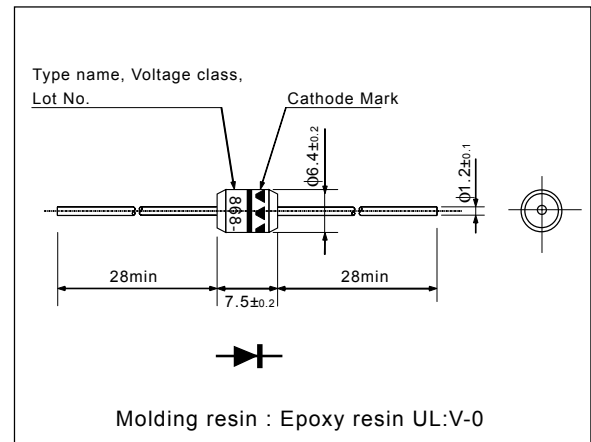


HIGH VOLTAGE SCHOTTKY BARRIER DIODE

Outline drawings, mm



Features

- High voltage
- Low VF
- Super high speed switching
- High reliability by planer design

Applications

- High speed switching

Maximum ratings and characteristics

- Absolute maximum ratings (Ta=25°C Unless otherwise specified)

| Item | Symbol | Conditions | Rating | Unit |
|--------------------------------------|------------------|----------------------------------|-------------|------|
| Repetitive peak reverse voltage | V _{RRM} | | 200 | V |
| Average forward current | I _{FAV} | Square wave duty=1/2 Tl=111°C | 4.0 | A |
| Non-repetitive forward surge current | I _{FSM} | Sine wave 10ms, 1shot | 100 | A |
| Operating junction temperature | T _j | | 150 | °C |
| Storage temperature | T _{stg} | | -40 to +150 | °C |

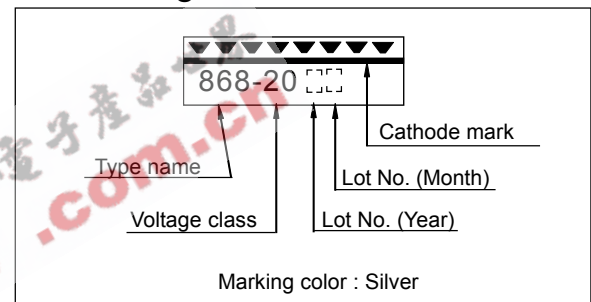
- Electrical characteristics (Ta=25°C Unless otherwise specified)

| Item | Symbol | Conditions | Max. | Unit |
|-----------------|----------------|----------------------------------|------|------|
| Forward voltage | V _F | I _{FM} =4.0A | 1.25 | V |
| Reverse current | I _R | V _R =V _{RRM} | 200 | μA |

- Mechanical characteristics

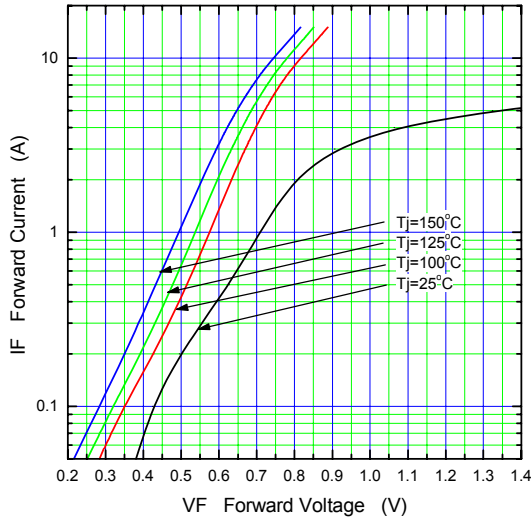
| | | | |
|------------------|--|-----|---|
| Approximate mass | | 1.2 | g |
|------------------|--|-----|---|

Marking

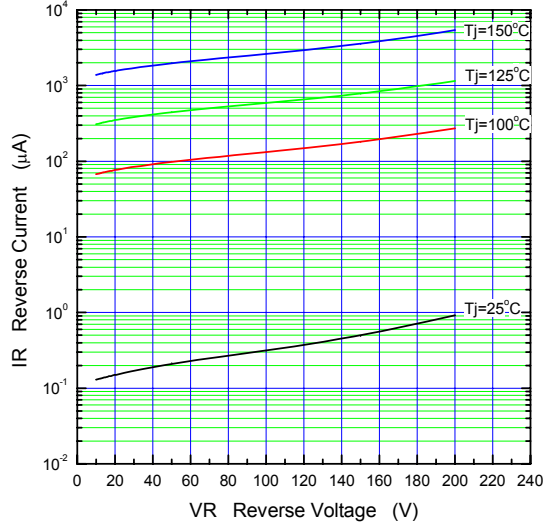


■ Characteristics

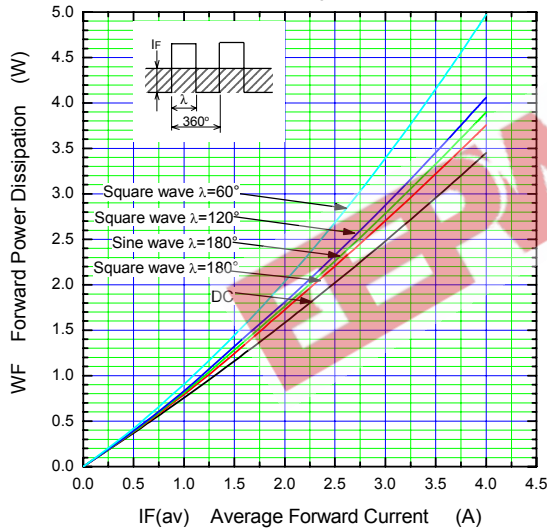
Forward Characteristic (typ.)



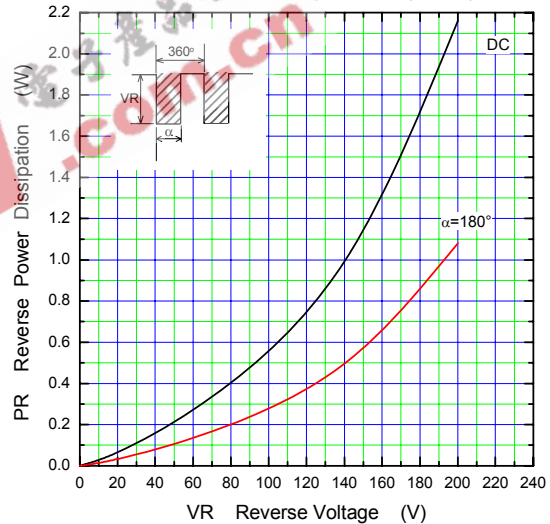
Reverse Characteristic (typ.)



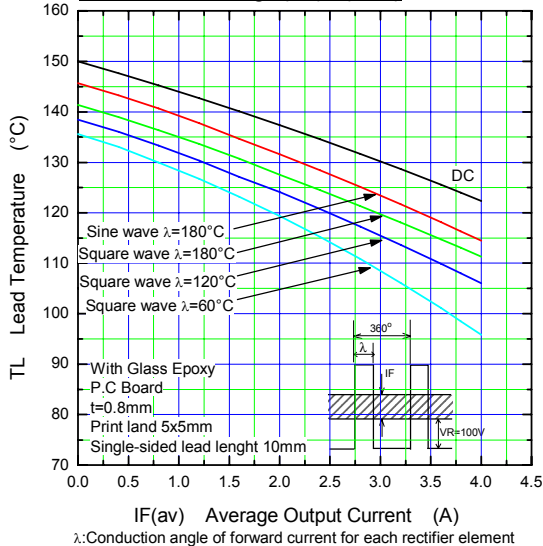
Forward Power Dissipation



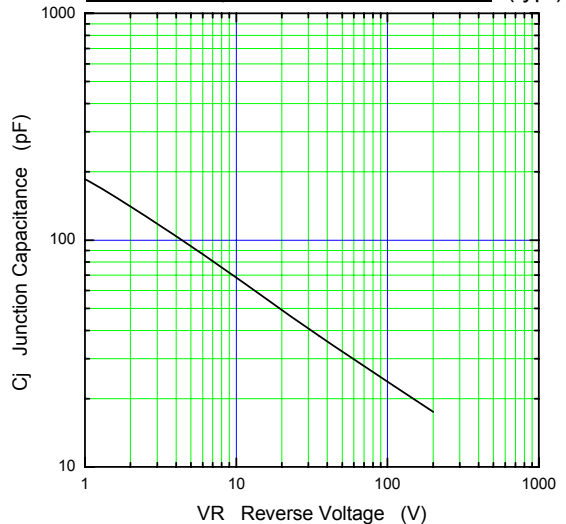
Reverse Power Dissipation (max.)



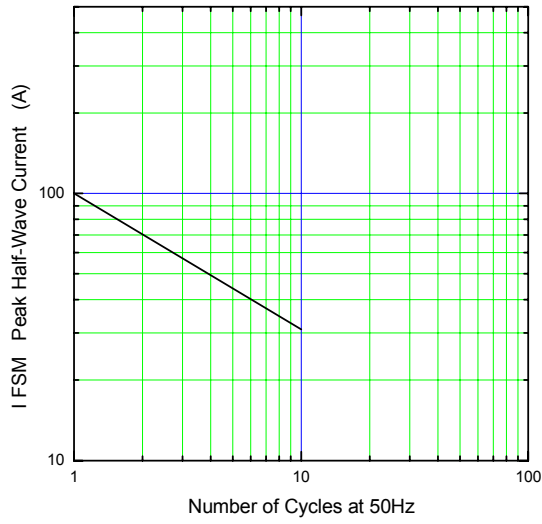
Current Derating (IF(av)-TL)



Junction Capacitance Characteristic (typ.)



Surge Capability



Transient Thermal Impedance

