



FUKUCOM COMPANY LTD.

福 靈 有 限 公 司

FLAT P, 3/F., EVEREST INDUSTRIAL CENTRE, 396 KWUN TONG ROAD,
KWUN TONG, KOWLOON, HONG KONG.

TEL: 852-2790 0314 FAX: 852-2790 0206

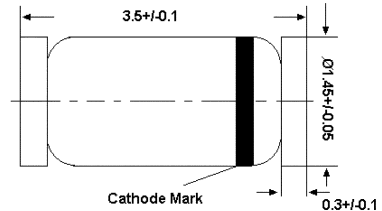
BAS85

SCHOTTKY BARRIER DIODE

**Ultra High-Speed Switching, Voltage Clamping
Protection Circuits and Blocking Applications**

Features

- Low forward voltage.
- Guard ring protected.
- Hermetically-sealed leaded glass package.



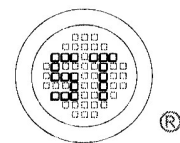
**Glass case MiniMELF
Dimensions in mm**

Absolute Maximum Ratings (T_a = 25°C)

| Parameter | Symbol | Limits | Unit |
|---|--------------------|-------------|------|
| Continuous reverse voltage | V _R | 30 | V |
| Continuous forward current | I _F | 200 | mA |
| Average forward current | I _{F(AV)} | 200 | mA |
| Repetitive peak forward current | I _{FRM} | 300 | mA |
| Non-repetitive peak forward current | I _{FSM} | 5 | A |
| Operating ambient temperature | T _{amb} | -65 to +125 | °C |
| Junction temperature | T _j | 125 | °C |
| Storage temperature range | T _S | -65 to +150 | °C |
| Thermal resistance from junction to ambient | R _{thja} | 320 | K/W |

Characteristics at T_a = 25°C

| Parameter | Symbol | Min. | Typ. | Max. | Unit |
|--|-----------------|------|------|------|------|
| Forward voltage | | | | | |
| at I _F = 0.1mA | V _F | - | - | 240 | mV |
| at I _F = 1mA | V _F | - | - | 320 | mV |
| at I _F = 10mA | V _F | - | - | 400 | mV |
| at I _F = 30mA | V _F | - | - | 500 | mV |
| at I _F = 100mA | V _F | - | - | 800 | mV |
| Reverse current | | | | | |
| at V _R = 25V | I _R | - | - | 2.3 | μA |
| Reverse recovery time | | | | | |
| at I _F = 10mA, I _R = 10mA, R _L = 100Ω | t _{rr} | - | - | 4 | ns |



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Dated : 02/08/2005



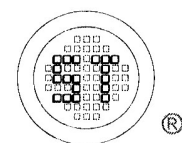
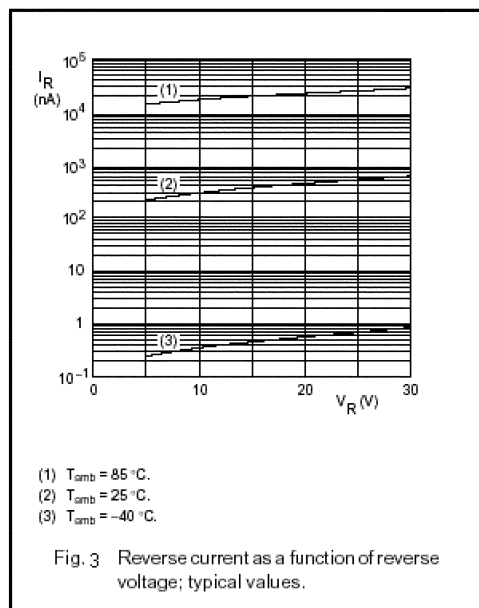
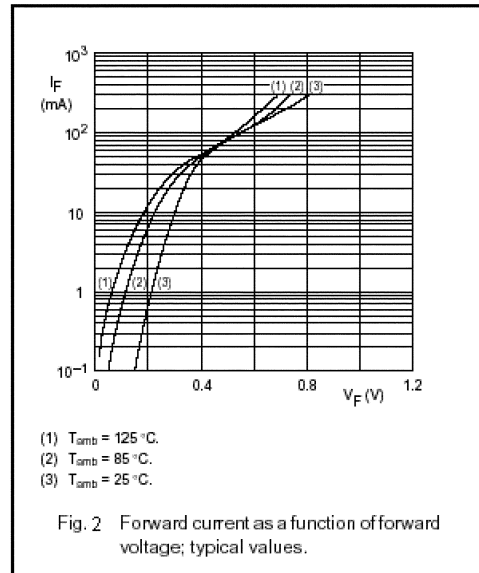
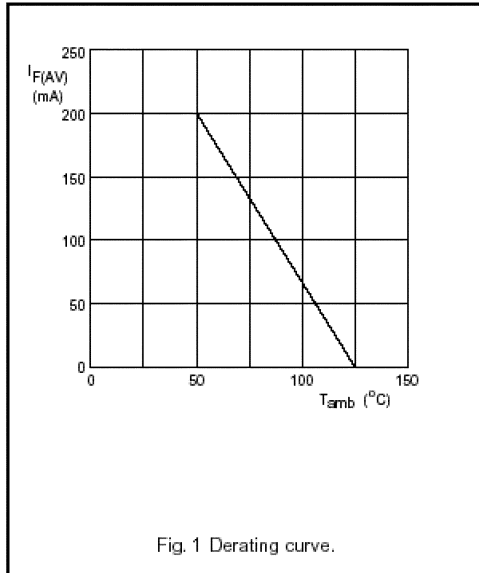
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