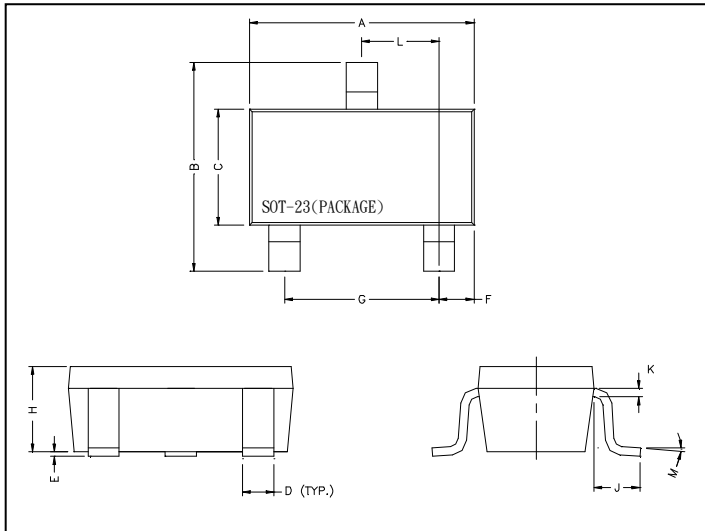


GBAT54/A/C/S

Description

Silicon Schottky Barrier Double Diodes .

Package Dimensions



| REF. | Millimeter | | REF. | Millimeter | |
|------|------------|------|------|------------|------|
| | Min. | Max. | | Min. | Max. |
| A | 2.70 | 3.10 | G | 1.90 | REF. |
| B | 2.40 | 2.80 | H | 1.00 | 1.30 |
| C | 1.40 | 1.60 | K | 0.10 | 0.20 |
| D | 0.35 | 0.50 | J | 0.40 | - |
| E | 0 | 0.10 | L | 0.85 | 1.15 |
| F | 0.45 | 0.55 | M | 0° | 10° |

Marking :

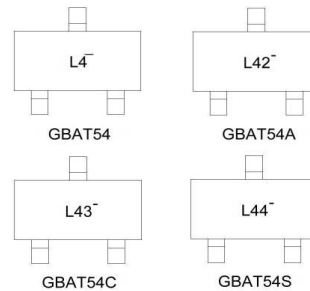
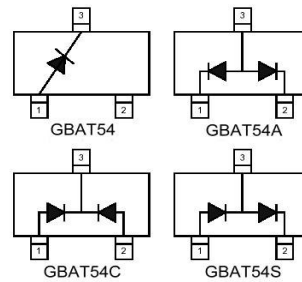


Diagram:



Style : Pin 1.Anode 2.Cathode 3.Common Connection

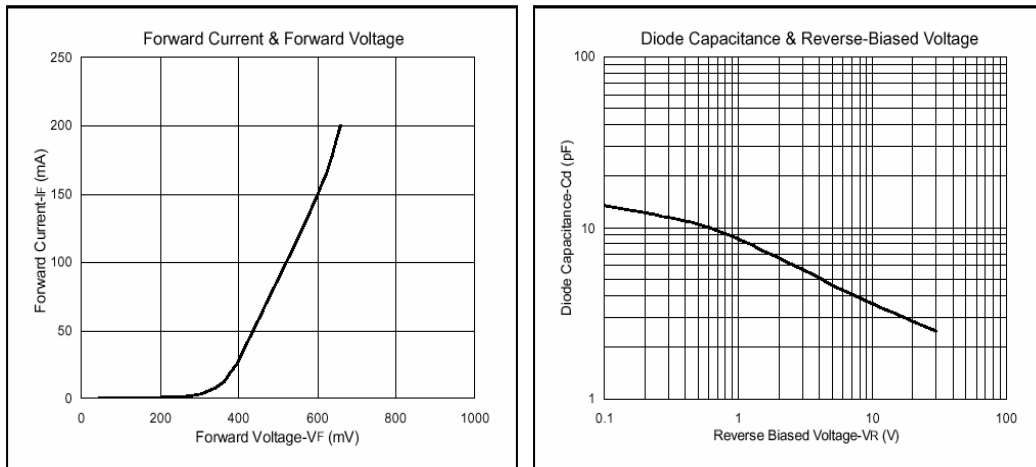
Absolute Maximum Ratings

| Parameter | Symbol | Ratings | Unit |
|--------------------------------------|------------------|------------|------|
| Junction Temperature | T _j | +125 | °C |
| Storage Temperature | T _{stg} | -65 ~ +125 | °C |
| Repetitive Peak Reverse Voltage | | 30 | V |
| Forward Continuous Current | | 200 | mA |
| Repetitive Peak Forward Current | | 300 | mA |
| Surge Forward Current | | 600 | mA |
| Total Power Dissipation at Ta = 25°C | PD | 230 | mW |

Characteristics at Ta = 25°C

| characteristics | Symbol | Min | Max. | Unit | Test Conditions |
|---------------------------|-----------------|-----|------|------|--|
| Reverse breakdown voltage | V(BR)R | 30 | - | V | IR=10uA |
| Forward Voltage | VF(1) | - | 240 | mV | IF=0.1mA |
| | VF(2) | - | 320 | mV | IF=1mA |
| | VF(3) | - | 400 | mV | IF=10mA |
| | VF(4) | - | 500 | mV | IF=30mA |
| | VF(5) | - | 1000 | mV | IF=100mA |
| Reverse Current | IR | - | 2.0 | uA | VR=25V |
| Total Capacitance | CT | - | 10 | pF | VR=1V, f=1MHz |
| Reverse Recover Time | T _{rr} | - | 5 | ns | IF=IR=10mA, RL=100Ω measured at IR=1mA |

Characteristics Curve



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