TENTATIVE

TOSHIBA Diode Silicon Epitaxial Schottoky Barrier Type

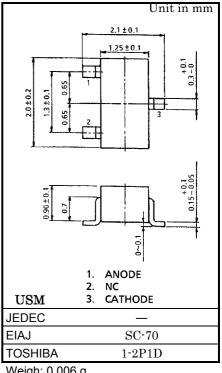
1SS401

High Speed Switching Applications

Low forward voltage $V_{F(3)} = 0.38 V \text{ (typ.)}$ $I_{R} = 50 \mu A \text{ (max)}$ Low reverse current Small total capacitance : CT = 46 pF (typ.)

Maximum Ratings (Ta = 25°C)

| Characteristic | Symbol | Rating | Unit |
|--------------------------------|------------------|---------|------|
| Maximum (peak) reverse voltage | V_{RM} | 25 | V |
| Reverse voltage | V _R | 20 | V |
| Maximum (peak) forward current | I _{FM} | 700 | mA |
| Average forward current | Io | 300 | mA |
| Power dissipation | Р | 100 | mW |
| Junction temperature | Tj | 125 | °C |
| Storage temperature range | T _{stg} | -55~125 | °C |



Weigh: 0.006 g

Electrical Characteristics (Ta = 25°C)

| Characteristic | Symbol | Test Circuit | Test Condition | Min | Тур. | Max | Unit |
|-------------------|--------------------|-----------------|------------------------------|-----|------|------|------|
| Forward voltage | V _{F (1)} | _ | I _F = 1mA | _ | 0.16 | _ | _ |
| | V _{F (2)} | _ | I _F = 10mA | _ | 0.22 | _ | V |
| | V _{F (3)} | _ | I _F = 300mA | | 0.38 | 0.45 | |
| Reverse current | I _R | _ | V _R = 20V | _ | _ | 50 | μΑ |
| Total capacitance | C _T | _ | V _R = 0, f = 1MHz | _ | 46 | _ | pF |

Pin Assignment (Top View)



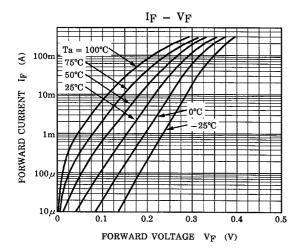
Marking

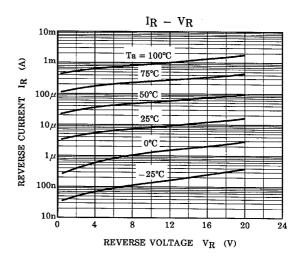


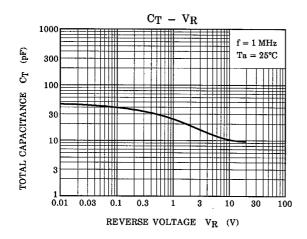
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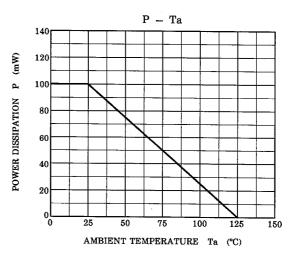
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