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|  | No.2198A | SB0015-03A Schottky Barrier Diode 30V, 15mA Detection Applications |
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Features

- Glass sleeve structure
- Detection efficiency : 70%
- Small size (Half the size of the DO-35 heretofore in use)

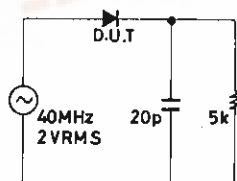
Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$

| | | | |
|---------------------------|-----------|-------------|------------------|
| Reverse Voltage | V_R | -30 | V |
| Average Rectified Current | I_o | 15 | mA |
| Junction Temperature | T_j | 100 | $^\circ\text{C}$ |
| Storage Temperature | T_{stg} | -55 to +100 | $^\circ\text{C}$ |

Electrical Characteristics at $T_a = 25^\circ\text{C}$

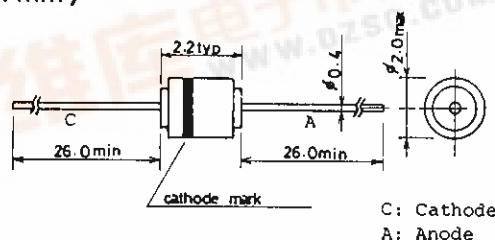
| | | | min | typ | max | unit |
|----------------------|--------|-------------------------------------|-----|-----|------|---------------|
| Forward Current | I_F | $V_F = 1.0\text{V}$ | 3.0 | | | mA |
| Reverse Current | I_R | $V_R = -10\text{V}$ | | | -100 | μA |
| Capacitance | C | $V_R = -1\text{V}, f = 1\text{MHz}$ | | | 3.0 | pF |
| Detection Efficiency | η | $f = 40\text{MHz}$ | 70 | | | % |

Detection Efficiency Circuit



Unit (resistance: Ω , capacitance: F)

Package Dimensions 1153A (unit: mm)



C: Cathode
A: Anode

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