Switching diode

1SS400

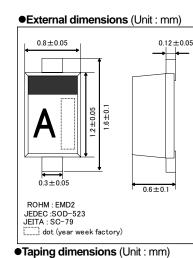
•Applications High speed switching

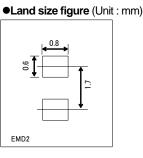
Features

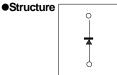
Ultra small mold type. (EMD2)
 High reliability.

Construction

Silicon epitaxial planar







●Absolute maximum ratings (Ta=25°C)

| Parameter | Symbol | Limits | Unit |
|-----------------------------------|--------------------|-------------|------|
| Reverse voltage (repetitive peak) | V _{RM} | 90 | V |
| Reverse voltage (DC) | V _R | 80 | V |
| Forward voltage (repetitive peak) | I _{FM} | 225 | mA |
| Average rectified forward current | lo | 100 | mA |
| Surge current (t=1s) | I _{surge} | 500 | mA |
| Junction temperature | Tj | 125 | °C |
| Storage temperature | Tstg | -55 to +125 | °C |

•Electrical characteristics (Ta=25°C)

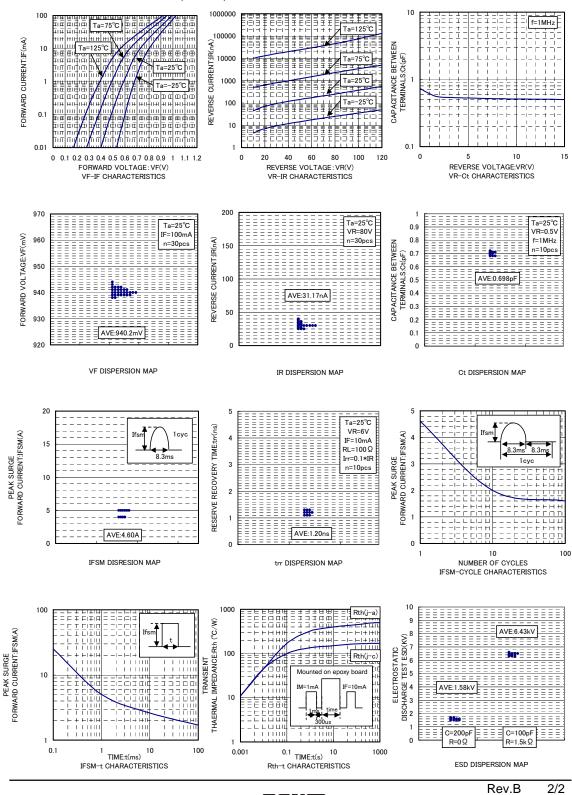
| Parameter | Symbol | Min. | Тур. | Max. | Unit | Conditions |
|------------------------------|----------------|------|------|------|------|--------------------------------------|
| Forward voltage | V _F | - | - | 1.2 | V | I _F =100mA |
| Reverse current | l _R | - | - | 0.1 | μA | V _R =80V |
| Capacitance between terminal | Ct | - | - | 3 | pF | V _R =0.5V , f=1MHz |
| Reverse recovery time | trr | - | - | 4 | ns | V _R =6V, IF=10mA, RL=100Ω |

rohm

Rev.B 1/2

Diodes





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