Schottky barrier diode RB520S-40

Applications

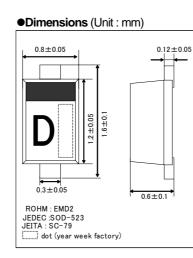
Rectifying small power

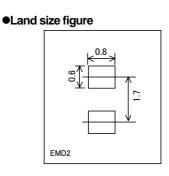
Features

 Ultra small power mold type. (EMD2)
 Low IR
 High reliability

Construction

Silicon epitaxial planer

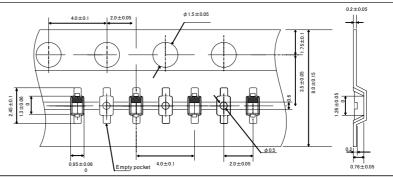




Structure



•Taping dimensions (Unit : mm)



•Absolute maximum ratings (Ta=25°C)

| Parameter | Symbol | Limits | Unit | | | |
|-----------------------------------|------------------|-------------|------|--|--|--|
| Reverse voltage (repetitive peak) | V _{RM} | 40 | V | | | |
| Reverse voltage (DC) | V _R | 40 | V | | | |
| Average rectified forward current | lo | 200 | mA | | | |
| Forward current surge peak | I _{FSM} | 1 | А | | | |
| Junction temperature | Tj | 125 | °C | | | |
| Storage temperature | Tstg | -40 to +125 | S | | | |

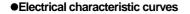
•Electrical characteristic (Ta=25°C)

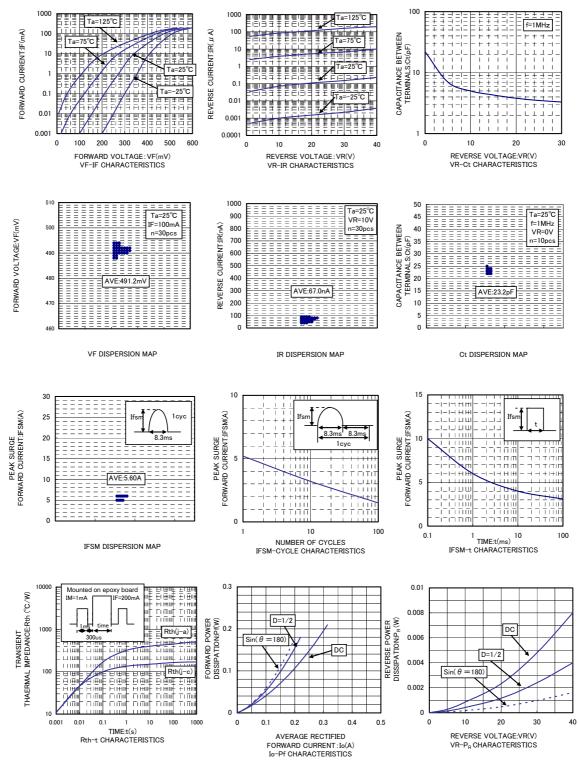
| Parameter | Symbol | Min. | Тур. | Max. | Unit | Conditions |
|-----------------|----------------|------|------|------|------|-----------------------|
| Forward voltage | V _F | - | ŀ | 0.39 | V | I _F =10mA |
| | V _F | - | - | 0.55 | V | I _F =100mA |
| Reverse current | I _R | - | - | 1 | μA | V _R =10V |
| | I _R | - | - | 10 | μA | V _R =40V |



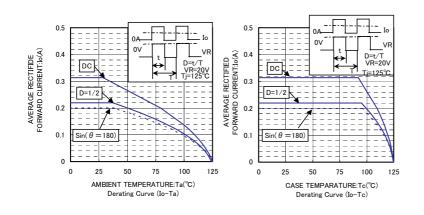
1/3

Diodes





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Appendix1-Rev2.0

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