



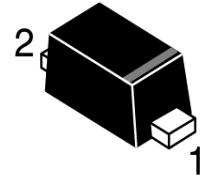
RB521CS-40

SCHOTTKY BARRIER DIODE



1. FEATURES

- We declare that the material of product compliance with RoHS requirements and Halogen Free.
- Low current rectification
- Low VF
- High reliability.
- Silicon epitaxial planar



SOD-923

2. DEVICE MARKING AND ORDERING INFORMATION

Marking : A

3. MAXIMUM RATINGS(Ta = 25°C)

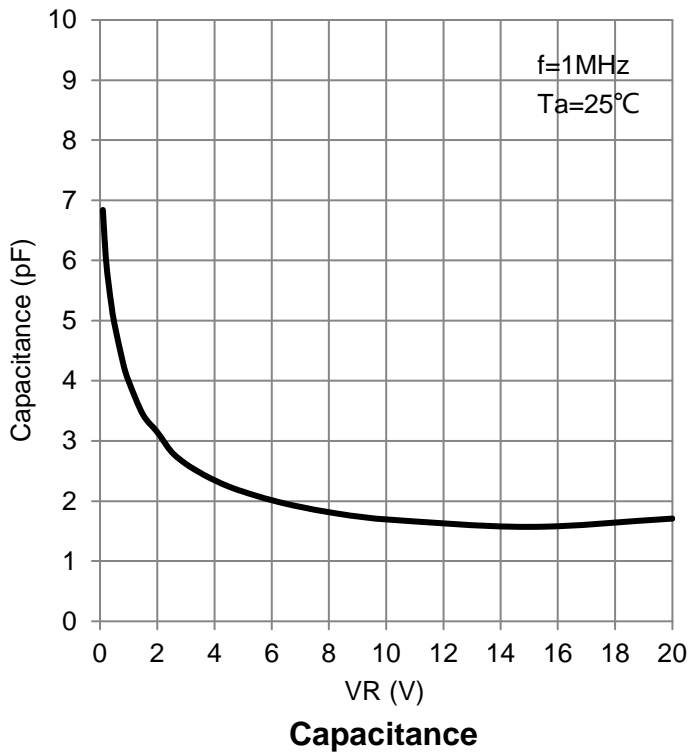
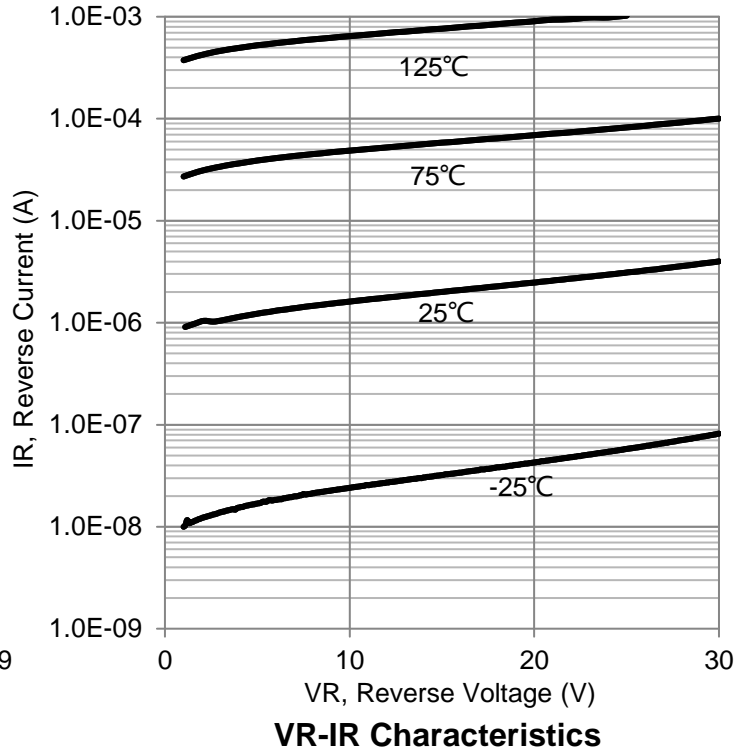
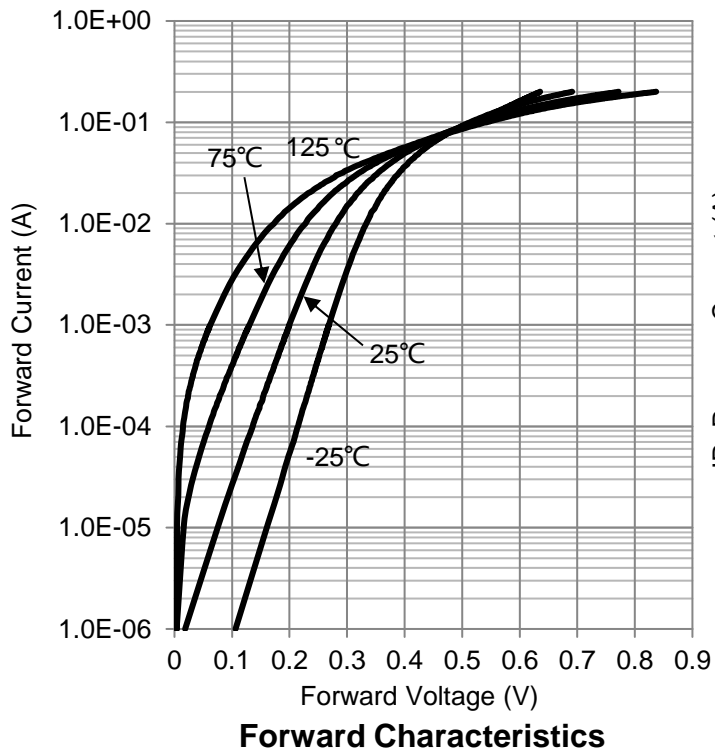
| Parameter | Symbol | Limits | Unit |
|---|--------|----------|------|
| DC reverse voltage | VR | 40 | V |
| Average rectifierd forward current | IO | 100 | mA |
| Forward current surge peak(60Hz · 1cyc) | IFSM | 500 | mA |
| Junction temperature | Tj | 125 | °C |
| Storage temperature | Tstg | -40~+125 | °C |

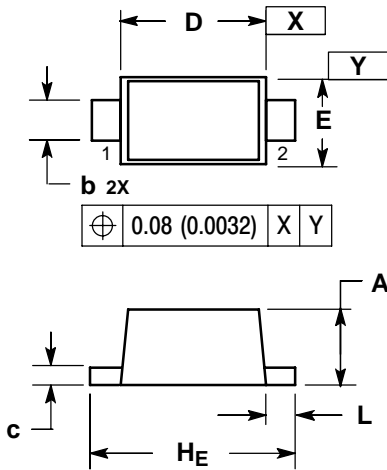
4. ELECTRICAL CHARACTERISTICS

| Characteristic | Symbol | Min. | Typ. | Max. | Unit |
|-------------------------------|--------|------|------|------|------|
| Forward voltage (IF =10mA) | VF | - | - | 0.35 | V |
| (IF =20mA) | | - | - | 0.4 | |
| Reverse current (VR =10V) | IR | - | - | 10 | μA |



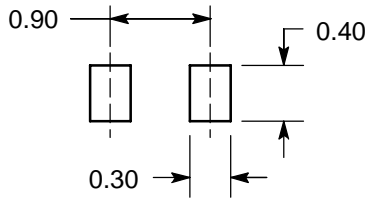
5.ELECTRICAL CHARACTERISTICS CURVES





| DIM | MILLIMETERS | | | INCHES | | |
|-----|-------------|------|------|--------|-------|-------|
| | MIN | NOM | MAX | MIN | NOM | MAX |
| A | 0.35 | 0.40 | 0.45 | 0.013 | 0.016 | 0.020 |
| b | 0.20 | 0.25 | 0.30 | 0.008 | 0.010 | 0.012 |
| c | 0.07 | 0.12 | 0.17 | 0.003 | 0.005 | 0.007 |
| D | 0.75 | 0.80 | 0.85 | 0.030 | 0.031 | 0.033 |
| E | 0.55 | 0.60 | 0.65 | 0.022 | 0.024 | 0.026 |
| HE | 0.95 | 1.00 | 1.05 | 0.037 | 0.039 | 0.041 |
| L | 0.07 | 0.10 | 0.15 | 0.003 | 0.004 | 0.006 |

SOLDERING FOOTPRINT



DIMENSIONS: MILLIMETERS