



Micro Commercial Components
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RB521S-30LP

100 mA
Schottky Rectifier
30 Volts

Features

- Small surface mounting type
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Marking:F
- Halogen free available upon request by adding suffix "-HF"



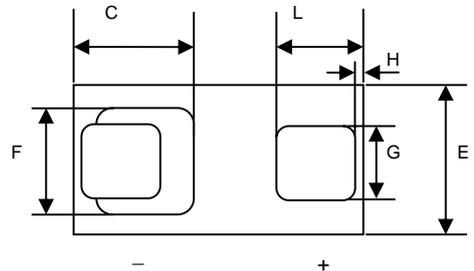
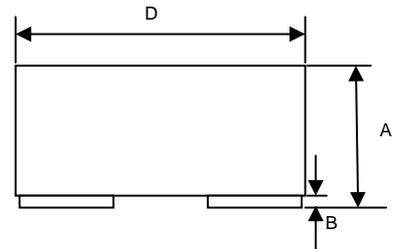
Maximum Ratings

| Symbol | Rating | Rating | Unit |
|-----------|-----------------------------|-------------|------|
| V_R | DC Reverse Voltage | 30 | V |
| I_O | Mean Rectifying Current | 100 | mA |
| I_{FSM} | Peak Forward Surge Current* | 1 | A |
| T_J | Junction Temperature | 125 | °C |
| T_{STG} | Storage Temperature | -40 to +125 | °C |

Electrical Characteristics @ 25°C Unless Otherwise Specified

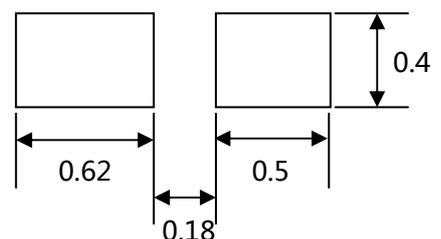
| Symbol | Parameter | Min | Typ | Max | Units |
|--------|--|-----|-----|------|-------|
| V_F | Forward Voltage ($I_F=10mA_{dc}$) | --- | --- | 0.35 | Vdc |
| I_R | Reverse Current ($V_R=10V_{dc}$) | --- | --- | 10 | uAdc |

SOD-882



| DIM | INCHES | | MM | | NOTE |
|-----|------------|-------|------------|------|------|
| | MIN | MAX | MIN | MAX | |
| A | 0.018 | 0.022 | 0.45 | 0.55 | |
| B | 0.000 | 0.003 | 0.01 | 0.07 | |
| C | 0.019REF. | | 0.470REF. | | |
| D | 0.037 | 0.041 | 0.95 | 1.05 | |
| E | 0.022 | 0.026 | 0.55 | 0.65 | |
| F | 0.017 REF. | | 0.420 REF. | | |
| G | 0.011 | 0.015 | 0.27 | 0.37 | |
| H | 0.001 REF. | | 0.030 REF. | | |
| L | 0.013 | 0.017 | 0.34 | 0.44 | |

Suggested Solder
 Pad Layout



Typical Characteristics

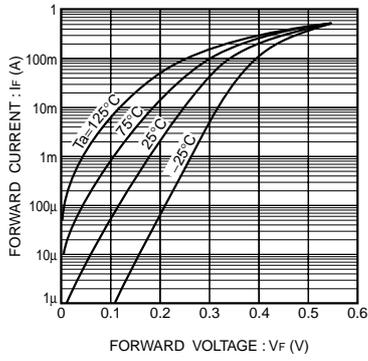


Fig. 1 Forward characteristics

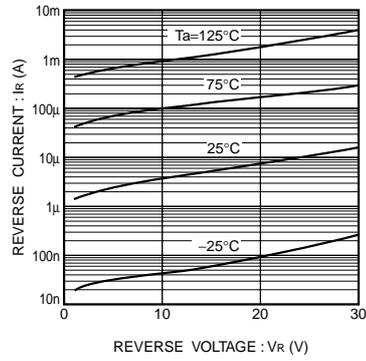
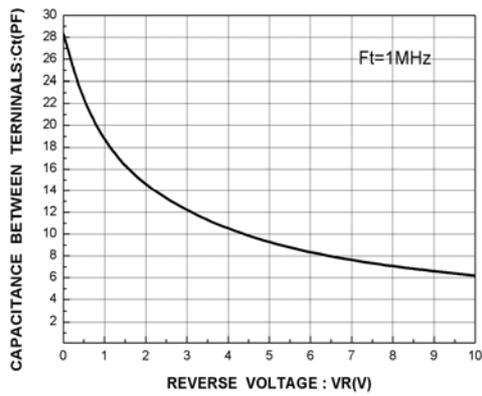


Fig. 2 Reverse characteristics





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Ordering Information :

| Device | Packing |
|----------------|------------------------|
| Part Number-TP | Tape&Reel: 10Kpcs/Reel |

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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