



Micro Commercial Components
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RB520S-30

**200 mA
 Schottky Barrier Diode
 30 Volts**

Features

- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- High Reliability
- Low Reverse Current and Low Forward Voltage.
- Small Surface Mount Type
- Marking : B
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

Maximum Ratings

| Symbol | Rating | Rating | Unit |
|------------------|---------------------------------------|-------------|------|
| V _R | DC Reverse Voltage | 30 | V |
| I _O | Mean Rectifying Current | 200 | mA |
| I _{FSM} | Peak Forward Surge Current(60Hz,1cyc) | 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 =200mA _{dc}) | --- | --- | 0.6 | V _{dc} |
| I _R | Reverse Current (V _R =10V _{dc}) | --- | --- | 1.0 | uA _{dc} |

SOD-523

DIMENSIONS

| DIM | INCHES | | MM | | NOTE |
|-----|--------|------|------|------|------|
| | MIN | MAX | MIN | MAX | |
| A | .059 | .067 | 1.50 | 1.70 | |
| B | .043 | .051 | 1.10 | 1.30 | |
| C | .030 | .033 | 0.75 | 0.85 | |
| D | .001 | .003 | 0.01 | 0.07 | |
| E | .010 | .014 | 0.25 | 0.35 | |
| F | .003 | .006 | 0.08 | 0.15 | |
| G | .020 | .028 | 0.50 | 0.70 | |
| H | .020 | .031 | 0.51 | 0.77 | |

FIG. 1 - FORWARD CHARACTERISTICS

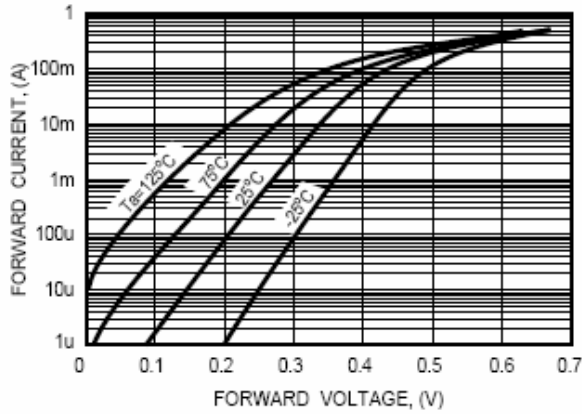


FIG. 2 - REVERSE CHARACTERISTICS

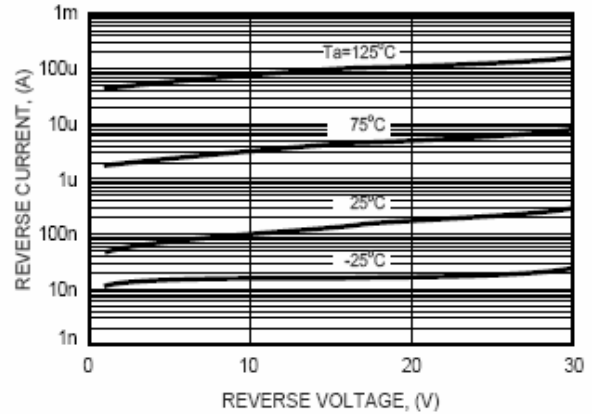


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

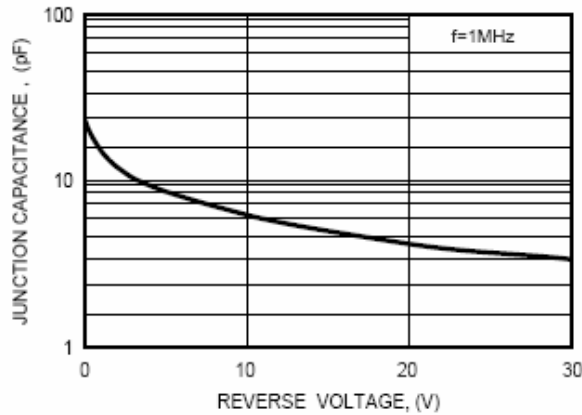
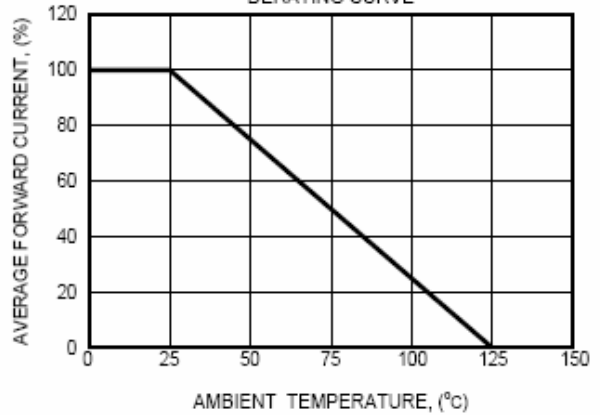


FIG. 4 - TYPICAL FORWARD CURRENT DERATING CURVE





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Ordering Information :

| Device | Packing |
|----------------|-----------------------|
| Part Number-TP | Tape&Reel: 3Kpcs/Reel |

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