



RB715W

30 mA Schottky Barrier Diode 40 Volts

Features

- High reliability
- Low V_F and Low I_R
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)

Maximum Ratings

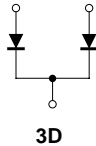
| Symbol | Parameter | Rating | Unit |
|-----------|-----------------------------|-------------|------|
| V_{RM} | Peak Reverse Voltage | 40 | V |
| I_F | Forward Current | 30 | mA |
| I_{FSM} | Peak Forward Surge Current* | 200 | mA |
| T_J | Junction Temperature | -55 to +150 | °C |
| T_{STG} | Storage Temperature | -55 to +150 | °C |

*Rating of per diode (60Hz · 1cyc)

Electrical Characteristics @ 25°C Unless Otherwise Specified

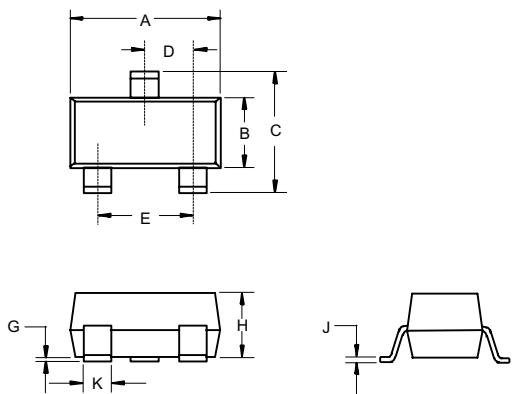
| Symbol | Parameter | Min | Typ | Max | Units |
|----------------------------|--|-----|-----|------|--------------------|
| OFF CHARACTERISTICS | | | | | |
| V_F | Forward Voltage ($I_F=1\text{mA}_{dc}$) | --- | --- | 0.37 | Vdc |
| I_R | Reverse Current ($V_R=10\text{V}_{dc}$) | --- | --- | 1 | μA_{dc} |
| C_D | Diode Capacitance ($V_R=1\text{V}$, $f=1\text{MHz}$) | --- | --- | 2 | pF |

Marking:



Note: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7.

SOT-523



| DIMENSIONS | | | | | |
|------------|--------------|------|--------------|------|------|
| DIM | INCHES | | MM | | NOTE |
| | MIN | MAX | MIN | MAX | |
| A | .059 | .067 | 1.50 | 1.70 | |
| B | .030 | .033 | 0.75 | 0.85 | |
| C | .057 | .069 | 1.45 | 1.75 | |
| D | .020 Nominal | | 0.50 Nominal | | |
| E | .035 | .043 | 0.90 | 1.10 | |
| G | .000 | .004 | .000 | .100 | |
| H | .028 | .031 | .70 | 0.80 | |
| J | .004 | .008 | .100 | .200 | |
| K | .010 | .014 | .25 | .35 | |



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Ordering Information :

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

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