



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





Micro Commercial Components
 20736 Marilla Street Chatsworth
 CA 91311
 Phone: (818) 701-4933
 Fax: (818) 701-4939

RB425D

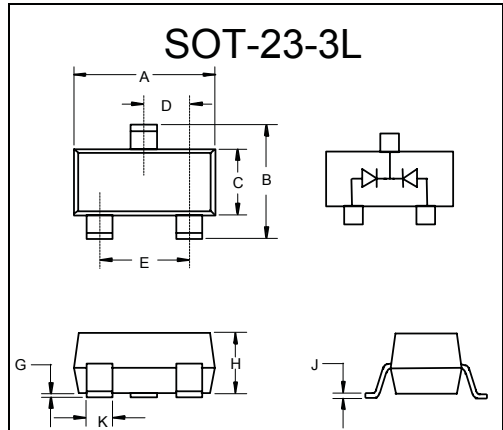
Features

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0

0.1 Amp Schottky Barrier Rectifier 40 Volts

Maximum Ratings

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



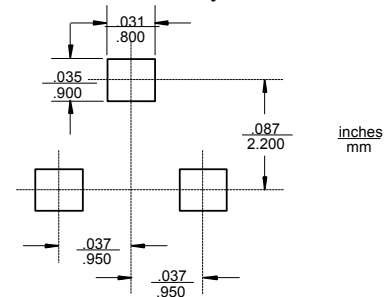
Electrical Characteristics @25°C Unless Otherwise Specified

| Parameter | Symbol | Min. | Typ. | Max. | Unit |
|---|--------|------|------|--------------|------|
| Forward Voltage @ $I_F=100mA$ @ $I_F=10mA$ | V_F | --- | --- | 0.55 0.34 | V |
| Reverse Current @ $V_R=10V$ | I_R | --- | --- | 30 | uA |
| Capacitance Between Terminals @ $V_R=10V, f=1MHz$ | C_T | --- | 6 | --- | pF |

Marking: D3L

| DIM | DIMENSIONS | | | | NOTE |
|-----|------------|-------|------|------|------|
| | INCHES | | MM | | |
| A | .113 | .117 | 2.87 | 2.97 | |
| B | .108 | .112 | 2.75 | 2.85 | |
| C | .061 | .065 | 1.55 | 1.65 | |
| D | .036 | .038 | .925 | .975 | |
| E | .073 | .077 | 1.85 | 1.95 | |
| G | .0016 | .0039 | .04 | .100 | |
| H | .044 | .049 | 1.12 | 1.25 | |
| J | .006 | .007 | .14 | .17 | |
| K | .013 | .015 | .34 | .37 | |

Suggested Solder Pad Layout





Micro Commercial Components™

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