



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!



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Micro Commercial Components



Micro Commercial Components
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**R4000F
THRU
R5000F**

Features

- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- Low Cost
- Low Leakage
- Low Forward Voltage Drop
- High Voltage
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -65°C to +150°C
- Storage Temperature: -65°C to +150°C

| Microsemi Catalog Number | Device Marking | Maximum Recurrent Peak Reverse Voltage | Maximum RMS Voltage | Maximum DC Blocking Voltage |
|--------------------------|----------------|--|---------------------|-----------------------------|
| R4000F | R4000F | 4000V | 2800V | 4000V |
| R5000F | R5000F | 5000V | 3500V | 5000V |

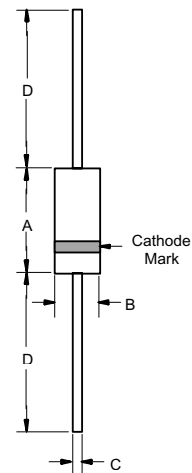
Electrical Characteristics @ 25°C Unless Otherwise Specified

| | | | |
|---|-------------|---------------|---|
| Average Forward Current | $I_{F(AV)}$ | 200mA | $T_A = 50^\circ C$ |
| Peak Forward Surge Current | I_{FSM} | 30A | 8.3ms, half sine |
| Maximum Instantaneous Forward Voltage | V_F | 6.5V | $I_{FM} = 0.2A;$ $T_A = 50^\circ C$ |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | I_R | 5.0µA 40µA | $T_A = 25^\circ C$ $T_A = 100^\circ C$ |
| Maximum Full Load Reverse Current, Full Cycle Average 9.5mm lead length at $T_L = 75^\circ C$ | $I_{R(AV)}$ | 30µA | |
| Maximum Reverse Recovery Time | T_{rr} | 500ns | |

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

**200 Milliamp
High Voltage
Silicon Rectifier
4000 to 5000 Volts**

DO-15



| DIM | DIMENSIONS | | | | NOTE |
|-----|------------|------|-------|------|------|
| | INCHES | | MM | | |
| | MIN | MAX | MIN | MAX | |
| A | .230 | .300 | 5.80 | 7.60 | |
| B | .104 | .140 | 2.60 | 3.60 | |
| C | .026 | .034 | .70 | .90 | |
| D | 1.000 | --- | 25.40 | --- | |

www.mccsemi.com



Micro Commercial Components

Ordering Information :

| Device | Packing |
|----------------|------------------------------|
| Part Number-TP | Tape&Reel: 4Kpcs/Reel |
| Part Number-AP | Ammo Packing: 3Kpcs/Ammo Box |
| Part Number-BP | Bulk: 25Kpcs/Carton |

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