



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

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Micro Commercial Components



Micro Commercial Components
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SM5819L2

1 Amp Schottky
Barrier Rectifier
40 Volts

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
Ultra-Small Surface Mount Package
High reliability
Epoxy meets UL 94 V-0 flammability rating
Moisure Sensitivity Level 1
Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

- Operating Temperature: -55°C to +150°C
Storage Temperature: -55°C to +50°C

DFN1006-2

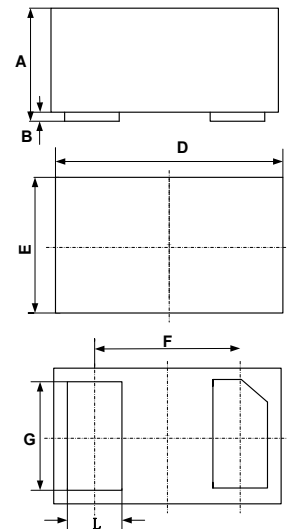
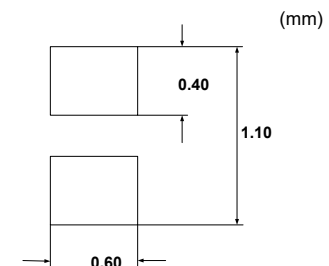


Table with 6 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. It lists dimensions A through L with their respective minimum and maximum values in inches and millimeters.

SUGGESTED SOLDER PAD LAYOUT

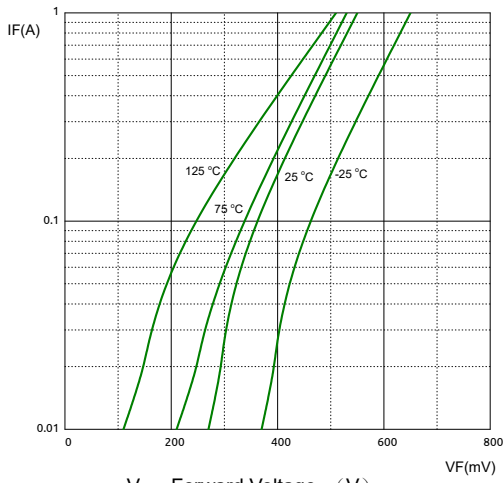


Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, and Notes. It lists electrical characteristics such as Average Forward Current (1.0A), Peak Forward Surge Current (10A), Maximum Instantaneous Forward Voltage Drop (0.3V to 0.6V), Maximum Reverse Leakage Current (0.06mA), and Typical Junction Capacitance (90pF).

Note: 1. Squire wave : sigma = 0.5

### Typical Characteristics



$V_F$  – Forward Voltage (V)

Fig 1. Forward Voltage

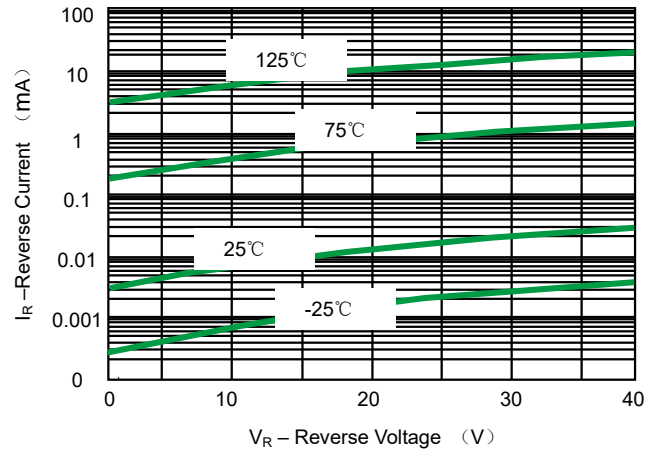


Fig 2. Leakage Current



Micro Commercial Components

## Ordering Information

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

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

### \*\*\*IMPORTANT NOTICE\*\*\*

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MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

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