



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

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, and Notes. Rows include Average Forward Current, Peak Forward Surge Current, Maximum Instantaneous Forward Voltage Drop, Maximum Reverse Leakage Current, and Typical Junction Capacitance.

Note: 1. Squire wave : sigma = 0.5

DFN1006-2

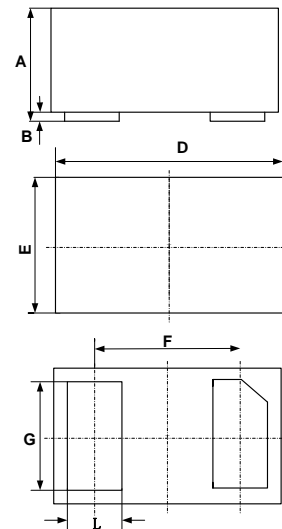
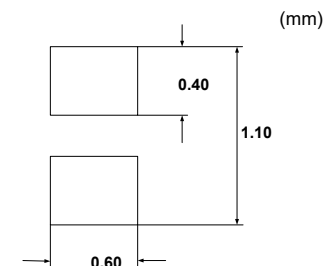
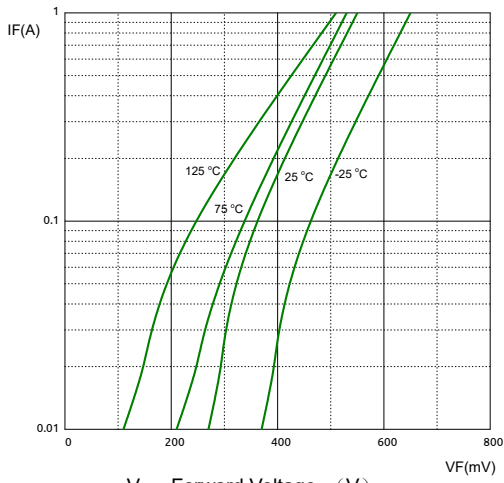


Table titled 'DIMENSIONS' with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. It lists dimensions A through L with their respective values.

SUGGESTED SOLDER PAD LAYOUT



### Typical Characteristics



$V_F$  – Forward Voltage (V)

Fig 1. Forward Voltage

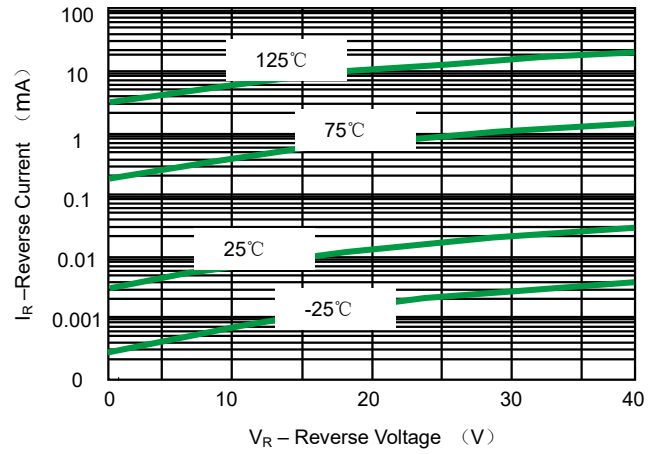


Fig 2. Leakage Current



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## Ordering Information

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

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

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