



30V 15A Schottky Diode - SiS105S030S

Silicon Schottky Rectifier in bare die form

Version 1.0

06/04/18

Applications

- Switching Power Supply
- Converters
- Free Wheeling Diodes

Features

- Ultra Low Reverse Current
- Soft recovery low & high temperature
- Low forward Voltage drop

Electrical Characteristics

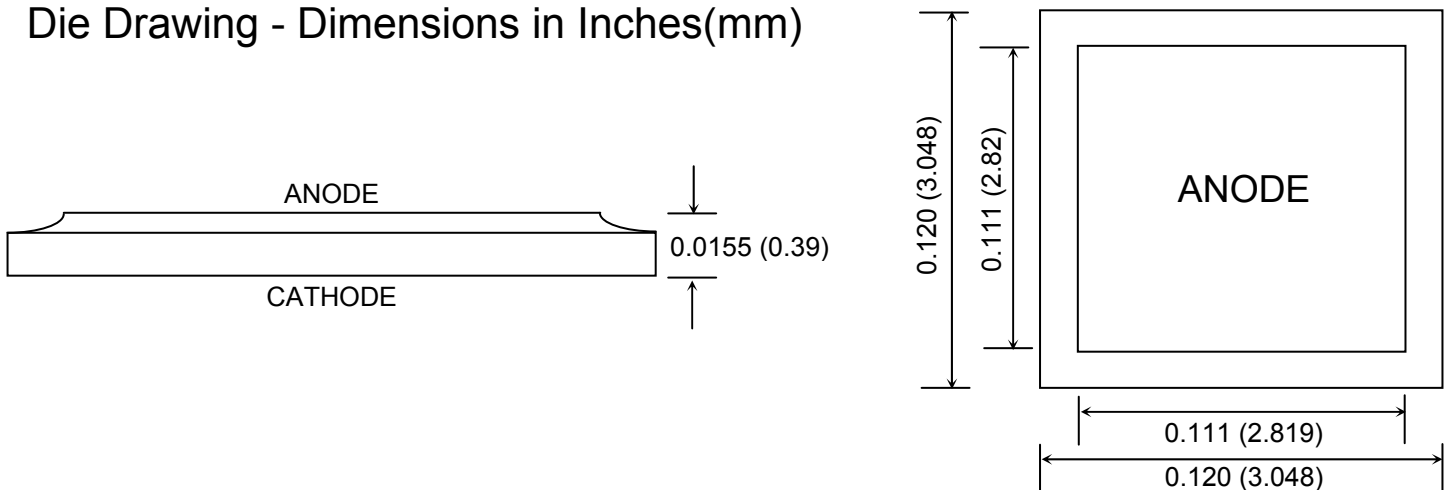
| Symbol | Parameter | Conditions | Typ | Max | Unit |
|--------|----------------------|----------------------------------|-----|--------------|------------|
| V_R | Reverse Voltage | - | - | 30 | V |
| I_R | Reverse Current | $V_R = 30V, T_J = 25^\circ C$ | - | 2.00 | mA |
| | | $^1V_R = 30V, T_J = 125^\circ C$ | - | 100.0 | mA |
| V_F | Forward Voltage | $I_F = 15A @ 25^\circ C$ | - | 0.49 | V |
| T_J | Junction Temperature | - | - | 150 | $^\circ C$ |

Note 1: Not production tested at wafer level, tested in package

Mechanical Data

| Die Attach Method | Front Metal Composition | | | Back Metal Composition | | |
|-----------------------------------|-------------------------|-------------|---|------------------------|----|---------|
| Solderable Top Solderable Back | - | TiNiAg 30kÅ | - | Ti | Ni | Ag 30kÅ |

Die Drawing - Dimensions in Inches(mm)



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