



45V 20A Schottky Diode - SiS170S045A

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

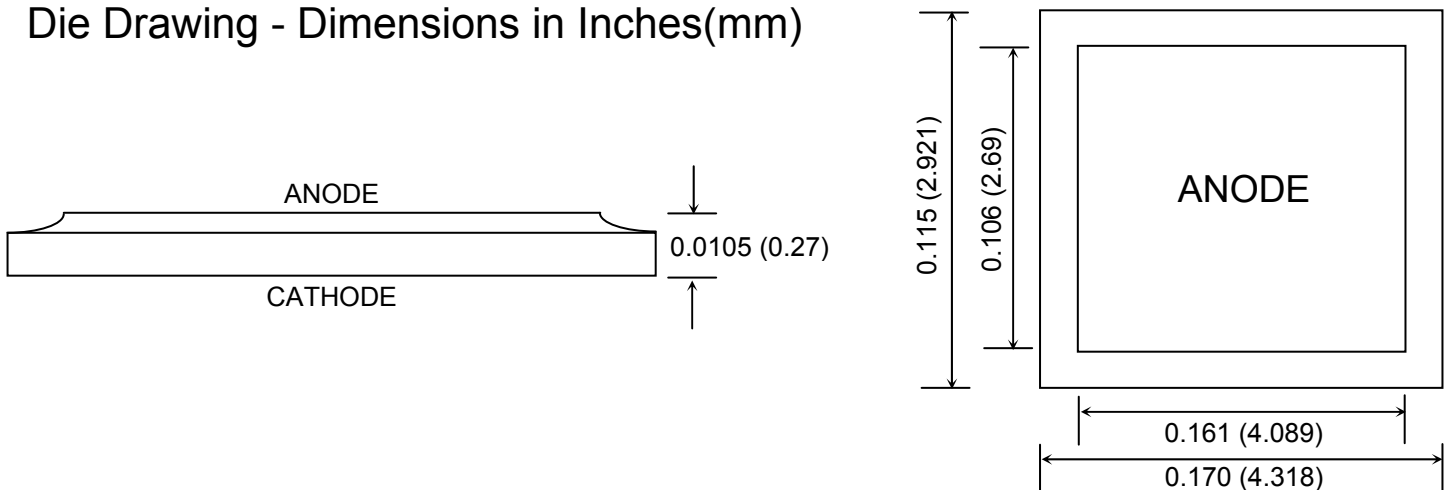
Symbol	Parameter	Conditions	Typ	Max	Unit
V_R	Reverse Voltage	-	-	45	V
I_R	Reverse Current	$V_R = 45V, T_J = 25^\circ C$	-	2.10	mA
		$^1V_R = 45V, T_J = 125^\circ C$	-	100.0	mA
V_F	Forward Voltage	$I_F = 20A @ 25^\circ C$	-	0.56	V
T_J	Junction Temperature	-	-	150	$^\circ C$

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

Mechanical Data

Die Attach Method	Front Metal Composition			Back Metal Composition		
Wire Bondable Top Solderable Back	-	Al (1% Si) 25kÅ	-	Ti	Ni	Ag 30kÅ

Die Drawing - Dimensions in Inches(mm)



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