



# 45V 15A Schottky Diode - SiS105S045A

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

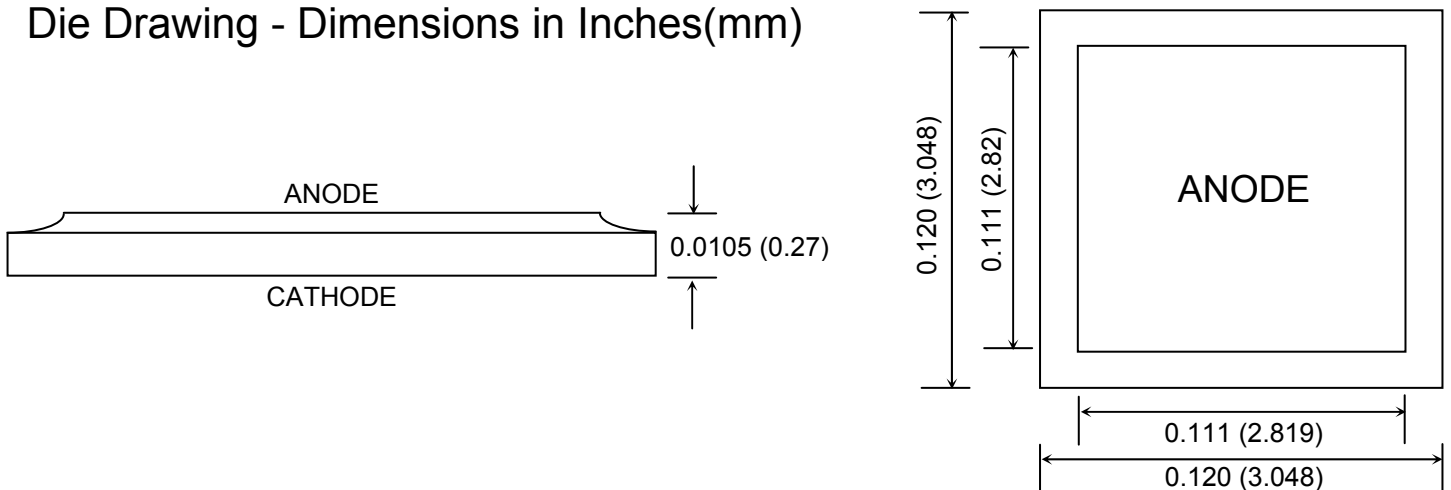
Symbol	Parameter	Conditions	Typ	Max	Unit
$V_R$	Reverse Voltage	-	-	<b>45</b>	V
$I_R$	Reverse Current	$V_R = 45V, T_J = 25^\circ C$	-	<b>1.50</b>	mA
		$^1V_R = 45V, T_J = 125^\circ C$	-	<b>70.0</b>	mA
$V_F$	Forward Voltage	$I_F = 15A @ 25^\circ C$	-	<b>0.56</b>	V
$T_J$	Junction Temperature	-	-	<b>150</b>	$^\circ C$

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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