

## Hexfred Die in Wafer Form



### Electrical Characteristics ( Wafer Form )

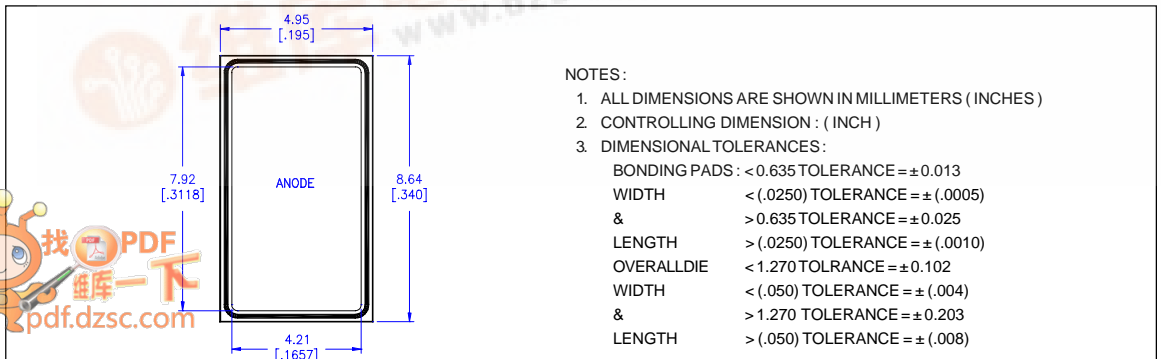
Parameter	Description	Guaranteed (Min/Max)	Test Conditions
$V_{FM}$	Forward Voltage	1.2V Max.	$T_J = 25^{\circ}C, I_F = 10.0A$
$BV_R$	Reverse Breakdown Voltage	600V Min.	$T_J = 25^{\circ}C, I_R = 200\mu A$
$I_{RM}$	Reverse Leakage Current	25 $\mu A$ Max.	$T_J = 25^{\circ}C, V_R = 600V$

### Mechanical Data

Nominal Back Metal Composition, Thickness	Cr-Ni-Ag ( 1kA-4kA-6kA )
Nominal Front Metal Composition, Thickness	99% Al, 1% Si (3 microns)
Chip Dimensions	0.340" x 0.195"
Wafer Diameter	125mm, with std. < 100 > flat
Wafer Thickness	.015" $\pm$ .003"
Relevant Die Mechanical Dwg. Number	01-5312
Minimum Street Width	100 Microns
Reject Ink Dot Size	0.25mm Diameter Minimum
Recommended Storage Environment	Store in original container, in dessicated nitrogen, with no contamination

Reference Standard IR packaged part ( for design ) : IRG4PSC71KD

### Die Outline



#### NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS ( INCHES )
2. CONTROLLING DIMENSION : ( INCH )
3. DIMENSIONAL TOLERANCES:

BONDING PADS : < 0.635 TOLERANCE =  $\pm$  0.013  
 WIDTH < (.0250) TOLERANCE =  $\pm$  (.0005)  
 & > 0.635 TOLERANCE =  $\pm$  0.025  
 LENGTH > (.0250) TOLERANCE =  $\pm$  (.0010)  
 OVERALLDIE < 1.270 TOLERANCE =  $\pm$  0.102  
 WIDTH < (.050) TOLERANCE =  $\pm$  (.004)  
 & > 1.270 TOLERANCE =  $\pm$  0.203  
 LENGTH > (.050) TOLERANCE =  $\pm$  (.008)

