

Preliminary Data Sheet I2151 rev. A 12/98

International
IOR Rectifier

SAFEIR Series
70EPS..

INPUT RECTIFIER DIODE



$I_{F(RMS)}$	= 135A
V_F	< 1.15V @ 70A
I_{FSM}	= 900A
V_{RRM}	800 to 1600V

Description/Features

The 70EPS.. rectifier **SAFEIR** series has been optimized for very low forward voltage drop, with moderate leakage.

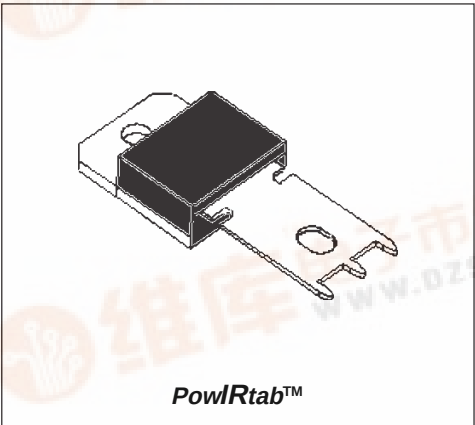
The glass passivation technology used has reliable operation up to 150° C junction temperature.

Available in the new **PowIRtab™** package, this new series is suitable for a large range of applications combining excellent die to footprint ratio and sturdiness connectivity for use in high current environments.

Major Ratings and Characteristics

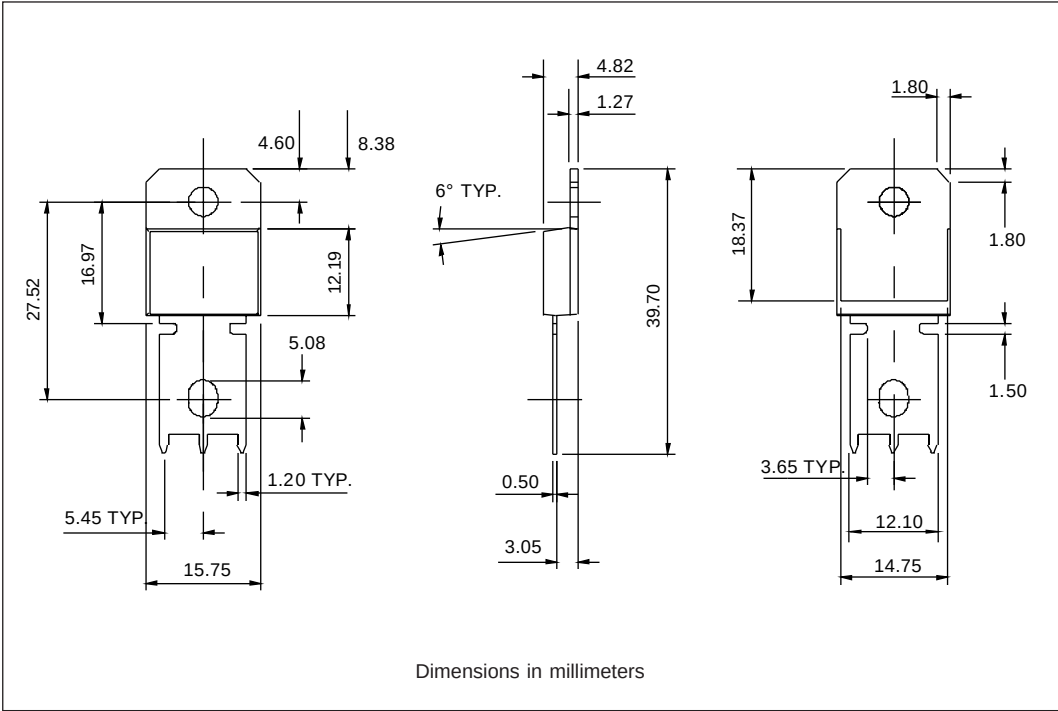
Characteristics	70EPS..	Units
$I_{F(AV)}$ Sine waveform @ $T_C = 95^\circ C$	70	A
$I_{F(RMS)}$	135	A
V_{RRM} range	800 to 1600	V
I_{FSM}	900	A
V_F @ 70A, $T_J = 25^\circ C$	1.15	V
T_J range	-40 to 150	°C

Package Outline



PowIRtab™

Outline Table



Ordering Information Table

