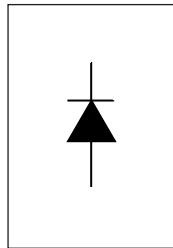


**FAST SOFT RECOVERY  
RECTIFIER DIODE**



$I_{F(RMS)}$	=	135A
$V_F$	<	1.4V @ 85A
$t_{rr}$	=	95ns
$V_{RRM}$		800 to 1200V

**Description/Features**

The 70EPF.. fast soft recovery **QUIETIR** rectifier series has been optimized for combined short reverse recovery time and low forward voltage drop.

The glass passivation ensures stable reliable operation in the most severe temperature and power cycling conditions.

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.

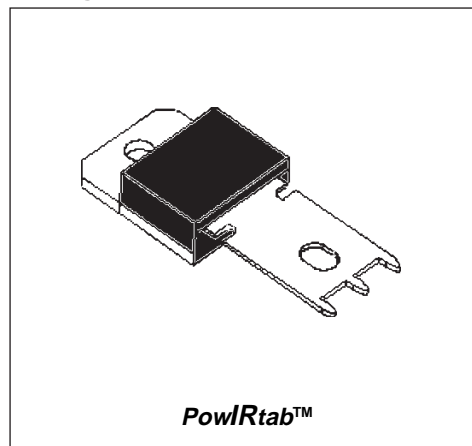
Typical applications are both:

- Output rectification and freewheeling in inverters, choppers and converters
- Input rectifications where severe restrictions on conducted EMI should be met.

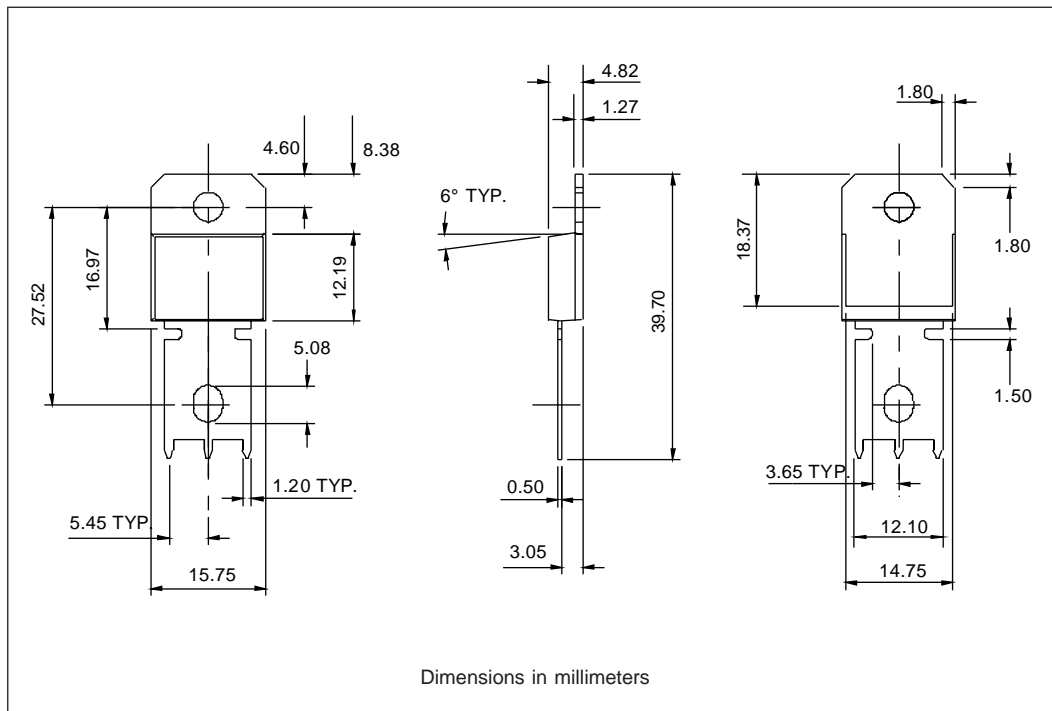
**Major Ratings and Characteristics**

Characteristics	70EPF..	Units
$I_{F(AV)}$ Rect. Conduction 50% duty Cycle @ $T_c = 80^\circ C$	85	A
$I_{F(RMS)}$	135	A
$V_{RRM}$ range	800 to 1200	V
$I_{FSM}$	700	A
$V_F$ @ 85A, $T_J = 25^\circ C$	1.4	V
$t_{rr}$ @ 1A, - 100A/ $\mu s$	95	ns
$T_J$ range	-40 to 150	$^\circ C$

**Package Outline**



Outline Table



Ordering Information Table

