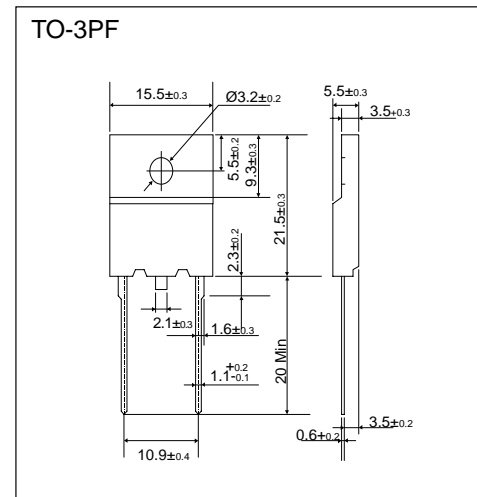


# PG127S17(10A)

(1700V/10A)

## FAST RECOVERY DIODE

### Outline Drawings



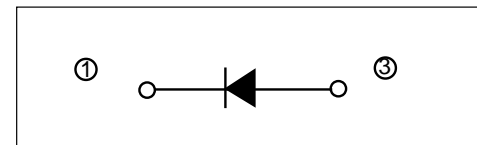
### Features

- Damper diode for high definition TV and high resolution display
- Super high speed switching.
- High reliability

### Applications

- Damper diode for horizontal deflection circuit
- High speed switching

### Connection Diagram



### Maximum Ratings and Characteristics

- Absolute Maximum Ratings

Items	Symbols	Conditions	Rating	Units
Repetitive peak reverse voltage	$V_{RRM}$		1700	V
Non-repetitive peak reverse voltage	$V_{RSM}$		1700	V
Isorating voltage	$V_{iso}$	Therminals to case AC 1 min.	1700	V
Average forward current	$I_O$	duty=1/2, $T_c=89^\circ\text{C}$ Rectangl wave	10	A
Non-repetitive surge current	$I_{FSM}$	Sine wave 10ms 1shot	100	A
Operating junction temperature	$T_j$		-40 to +150	$^\circ\text{C}$
Storage temperature	$T_{stg}$		-40 to +150	$^\circ\text{C}$

- Electrical Characteristics( $T_a=25^\circ\text{C}$  Unless otherwise specified)

Items	Symbols	Conditions	Max.	Units
Forward Voltage Drop	$V_{FM}$	$I_{FM}=4\text{A}$	2.0	V
Reverse Current	$I_{RRM}$	$V_R=V_{RRM}$	200	$\mu\text{A}$
Reverse recovery time	$t_{rr}$	$I_F=0.1\text{A}, I_R=0.1\text{A}$	0.7	$\mu\text{s}$
Thermal resistance	$R_{th(j-c)}$	Junction to case	2.0	$^\circ\text{C/W}$

Characteristics

