

PG127S17(10A)

(1700V/10A)

FAST RECOVERY DIODE

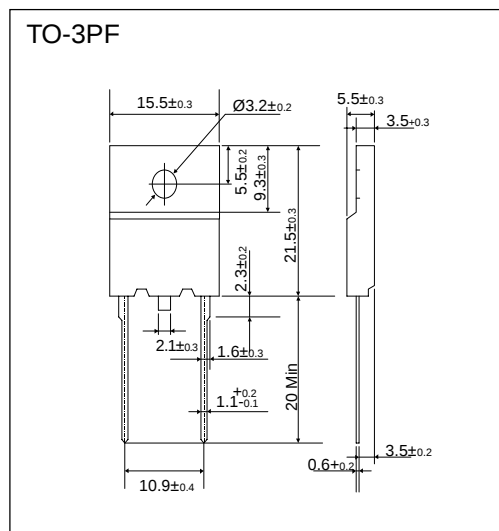
Features

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

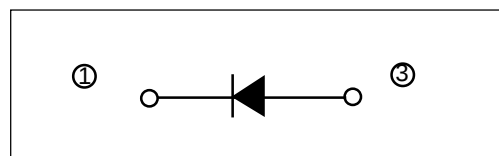
Applications

- Damper diode for horizontal deflection circuit
- High speed switching

Outline Drawings



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
Isolation voltage	V_{iso}	Terminals to case AC 1 min.	1700	V
Average forward current	I_o	duty=1/2, $T_c=89^{\circ}C$ Rectangl wave	10	A
Non-repetitive surge current	I_{FSM}	Sine wave 10ms 1shot	100	A
Operating junction temperature	T_j		-40 to +150	$^{\circ}C$
Storage temperature	T_{stg}		-40 to +150	$^{\circ}C$

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

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

Characteristics

