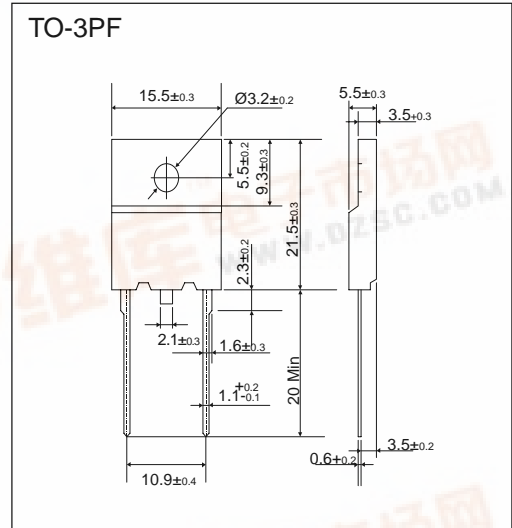


PG127S17(10A)

(1700V/10A)

FAST RECOVERY DIODE

Outline Drawings



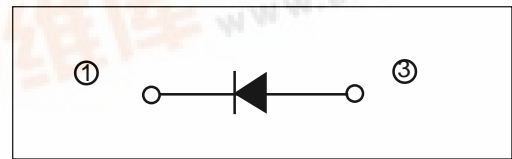
Features

- 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
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

