

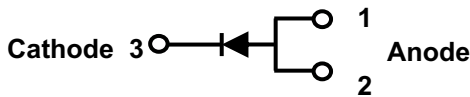
# TSP5S150SP

1 -NOV-2019

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HGD)G%)\$GD

TO-277



## Features

- Advanced trench technology
- Low forward voltage drop
- Low power losses
- High efficiency operation
- Lead Free Finish, RoHS Compliant

## Applications

- DC/DC Converters
- AC/DC Adaptors
- Switching Power Supplies
- Freewheeling Diodes

## Maximum ratings and electrical characteristics (TJ = 25°C unless otherwise noted)

Parameter	Symbol	Limit	Unit
Maximum repetitive peak reverse voltage	VRRM		V
Maximum average forward rectified current	IF(AV)		A
Peak forward surge current 8.3 ms single half sine- wave superimposed on rated load per diode	IFSM	0	A
Operating junction and storage temperature range	TJ, TSTG	- to +150	°C
7 \ S L F D O W K H U P D O U H V L V W D Q F H S H U 5 S - L R G H O R X Q W H G R C ) C W 3 & %			
Instantaneous forward voltage per diode	IF= A TJ=25°C	TYP.	0 \$ ;
		0. 1	56
		0. 6	
		0.	
Instantaneous reverse current per diode at rated reverse voltage	TJ=25°C		uA
	TJ=125°C	-	mA

Notes:

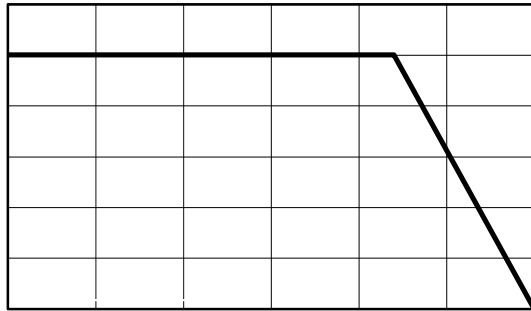
3 X O V H W H V S X O V H Z L G W K G X W \ F \ F O H  
 3 X O V H W H V W 3 X O V H Z L G W K 0

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## RATINGS AND CHARACTERISTICS CURVES

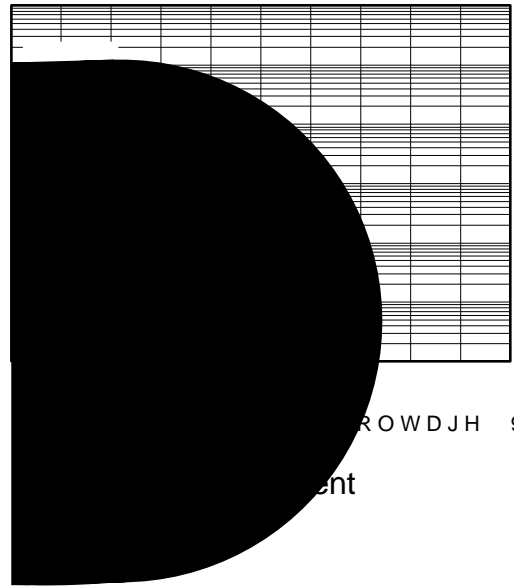
f & XQOHV\QRWKB UZLVH



7 F & DVH 7&HPS

Current Derating, Case

Maximum Repetitive Surge Current



1000

100

10

0

1

10

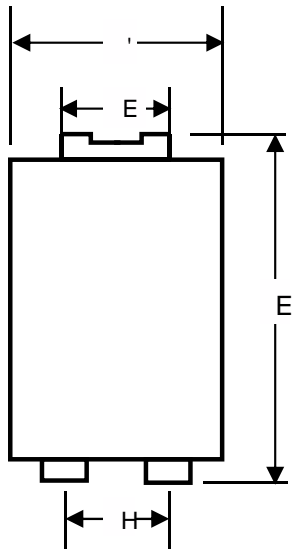
100

Reverse Voltage (V)

Typical Junction Capacitance

3 \$ & . \$ \* ( 2 8 7 / , 1 ( ' , 0 ( 1 6 , 2 1 6

7 2



## Marking Information

7 Product model :TSP 6 6 3 Referred  
to as 6

8 PDC information AE

Y X WW

WW:Week code(01 to 53)

X:Internal identification code

Y:Year code(ex:0=2020)

## Packaging Information