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**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		A
Operating junction and storage temperature range	TJ, TSTG	- to +150	

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Notes:

3 X O V H W H V W 3 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 P W H Z L G W K 0

## RATINGS AND CHARACTERISTICS CURVES (TA = 25 °C unless otherwise noted)

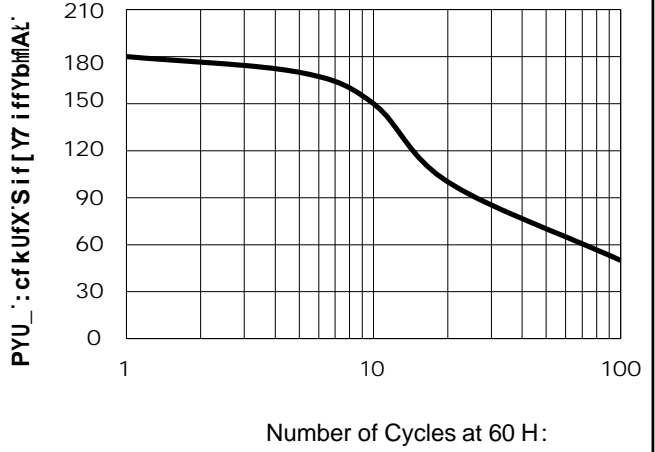
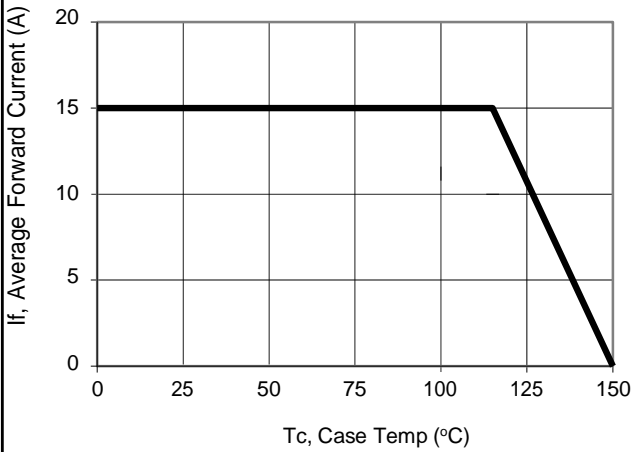
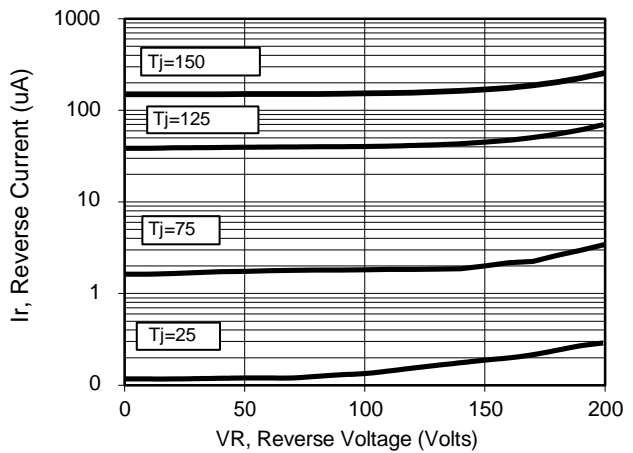
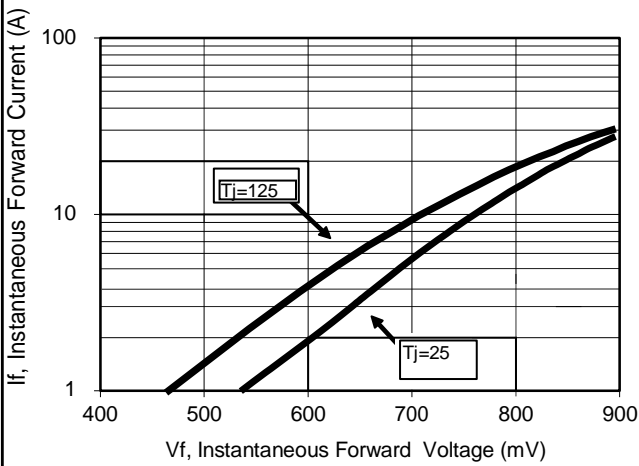
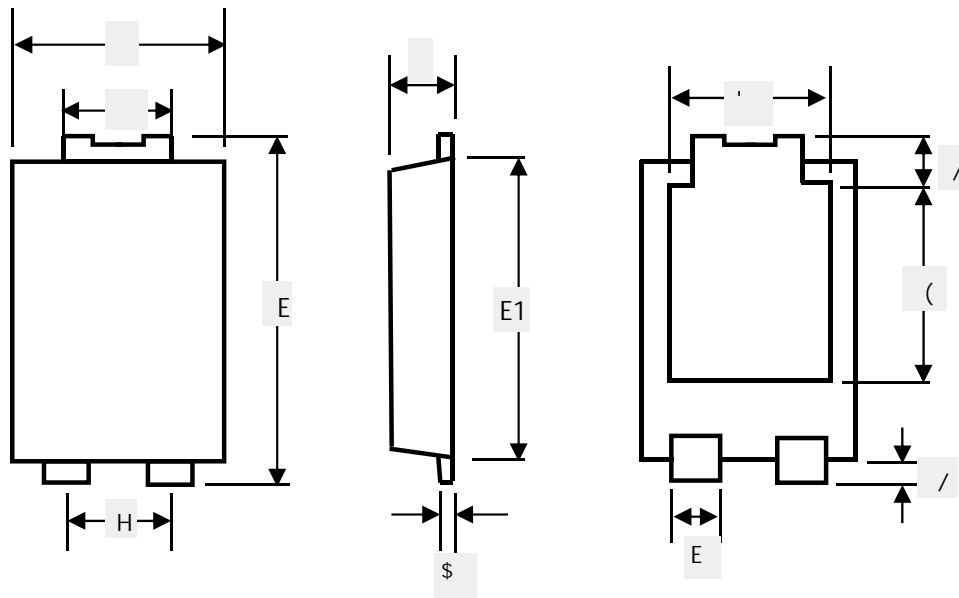


Figure2: Maximum Repetitive Surge Current

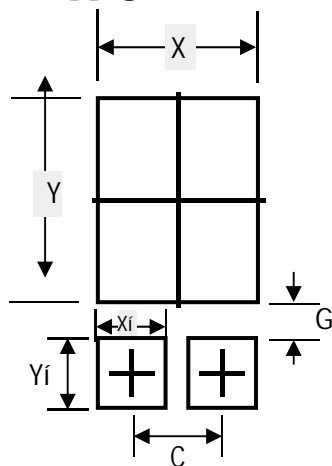




### TO-277 Mechanical Data

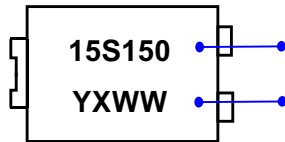
UNIT		A	A2	1	2	D	D1	E	E1	E2	L	L1
mm	max	13	0	10	1	3	3.05		)7)	")	%"\$	\$7
	min											
mil	max	51.1	15.75	3.37	7.0	1.3	120.0	25	22**	%'-'7	'-'7	27')
	min											

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a a	a]b	%, \$	\$-\$	'" (	%" (	
a]	a]b	7, ", *	' ) ('	%' "' , *	' ) ('	

## Marking Information



Product model :TSP15S150SP Referred to as 15S150

PDC information

Y X WW

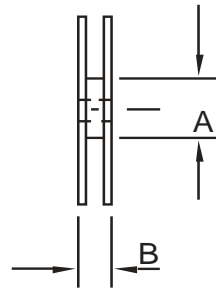
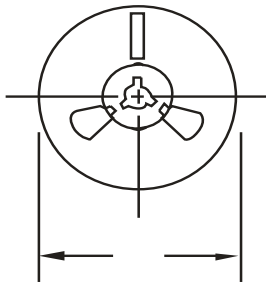
WW:Week code(01 to 53)

X:Internal identification code

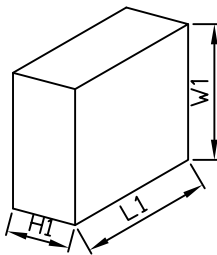
Y:Year code(ex:0=2020)

## Packaging Information

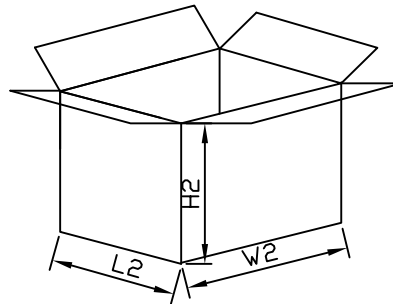
### 1.Reel Dimensions



### 2. Inside Box



### 3. Outside Box



## Packaging Information

NO	UNIT	Reel Dimensions			Inside Box			Outside Box		
			A	B	L1	W1	H1	L2	W2	H2
Size	mm	330	70	15	335	335	43	360	360	360
QTY	PCS	Smallest package,5000PCS/reel			10,000PCS,2 reel in total			80,000PCS/carton,8 boxes in total		
Note	Tolerance 20mm,±3mm; 21-100mm,±5mm; 101-500mm,±10mm									