

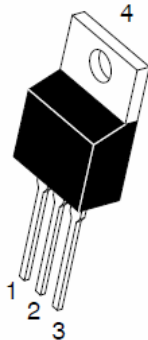
TSR10L350CT-S

TSR10L350CTF-S

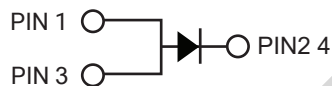
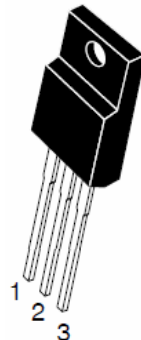
23-NOV-2023

Trench MOS Barrier Schottky Rectifier

TO-220AB
TSR10L350CT-S



ITO-220AB
TSR10L350CTF-S



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	350		V
Maximum average forward rectified current	device		IF(AV)	10		A
Peak forward surge current 8.3 ms single half sine- wave superimposed on rated load per diode			IFSM	160		A
Operating junction and storage temperature range			TJ, TSTG	-50 to +150		°C
Typical thermal resistance per leg		TO-220AB	RθJC	2		°C/W
		ITO-220AB		4		°C/W
Instantaneous forward voltage per diode			VF	TYP.	MAX.	V
	IF=2A	TJ=25°C		0.75	0.78	
	IF=2A	TJ=125°C		0.70	-	
	IF=10A	TJ=25°C		0.92	0.95	
	IF=10A	TJ=125°C		0.88	-	
Instantaneous reverse current per diode at rated reverse voltage		TJ=25°C	IR	5	20	uA
		TJ=125°C		10	-	mA

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

Fig.1 Current Derating, Case

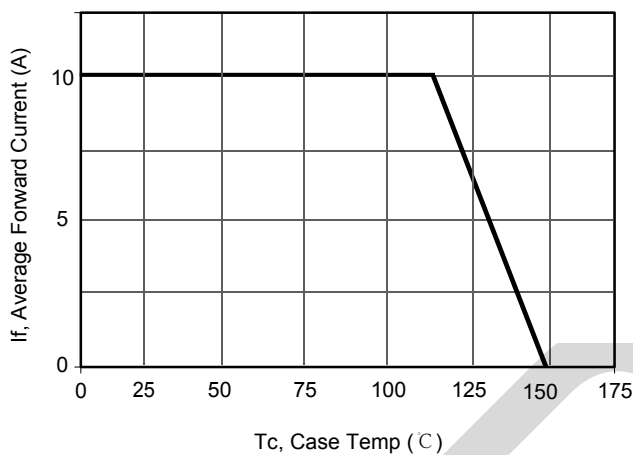


Fig.2 Maximum Non-Repetitive Peak Forward Surge Current

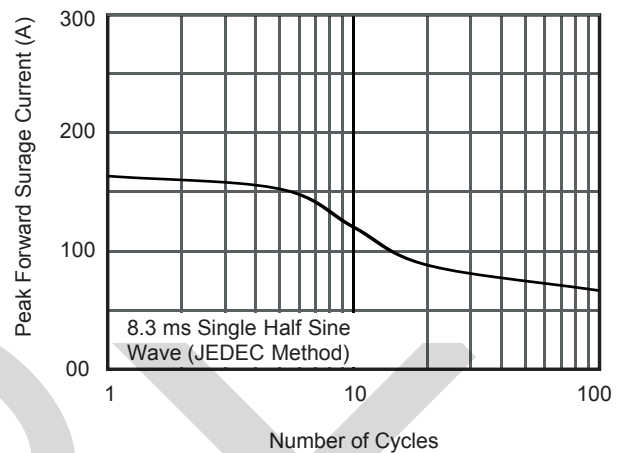


Fig.3 Typical Forward Voltage

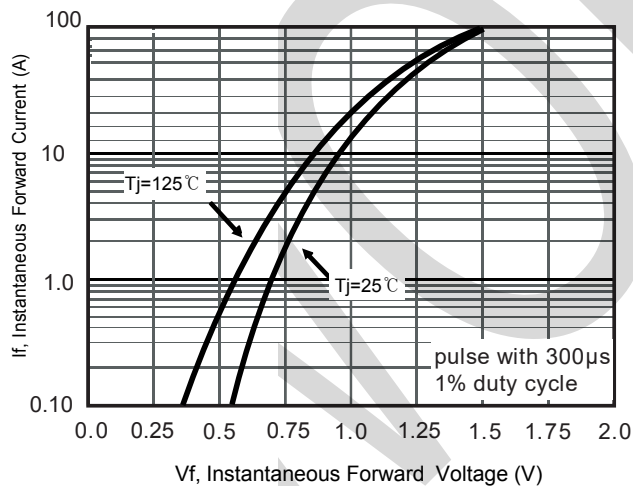
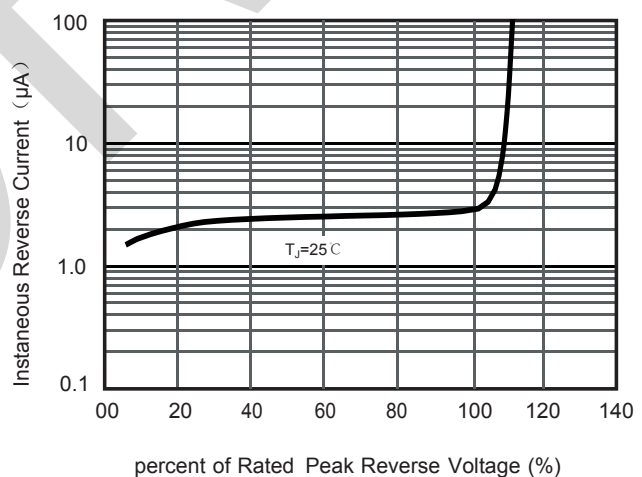


Fig.4 Typical Reverse Characteristics



TSR10L350CT-S

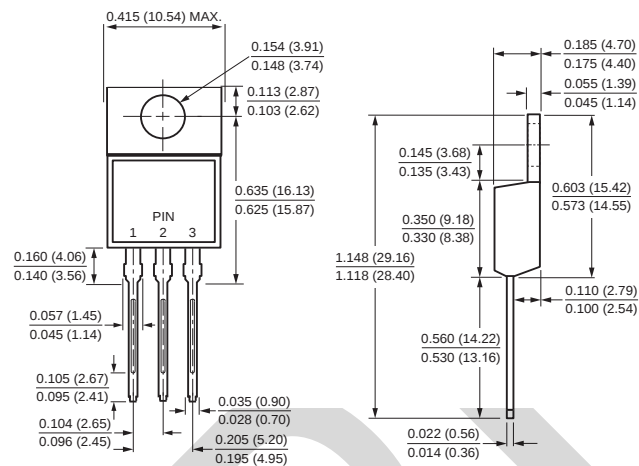
TSR10L350CTF-S

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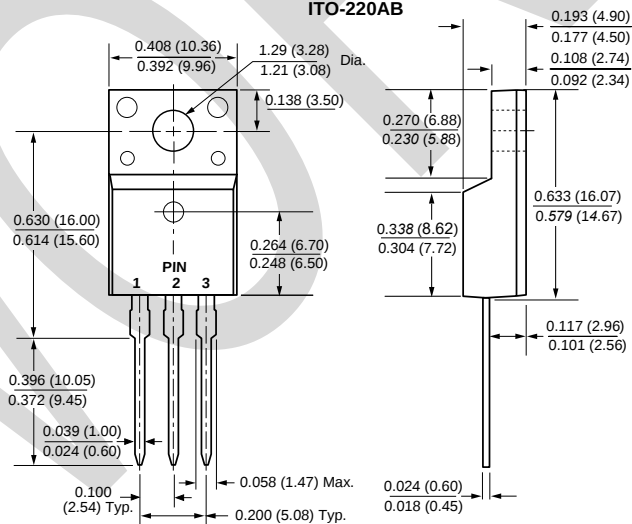
PACKAGE OUTLINE DIMENSIONS

Note:unit In(mm)

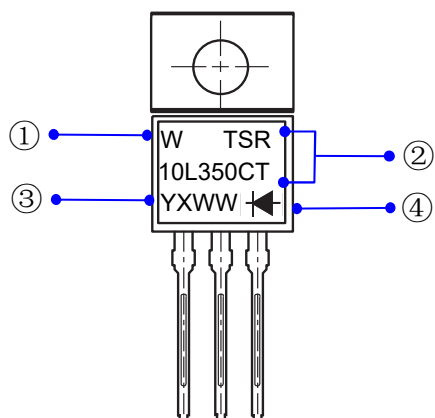
TO-220AB



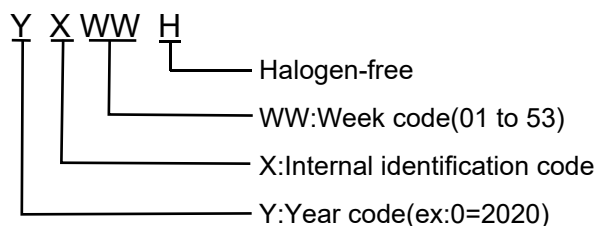
ITO-220AB



Marking Information



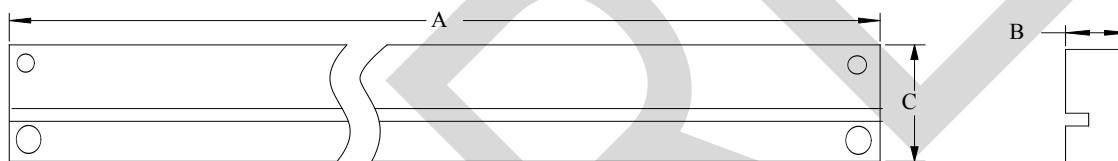
- ①W : Company's trademark
 ②Product model : TSR10L350CT or TSR10L350CTF
 ③PDC information:



- ④ Single wafer

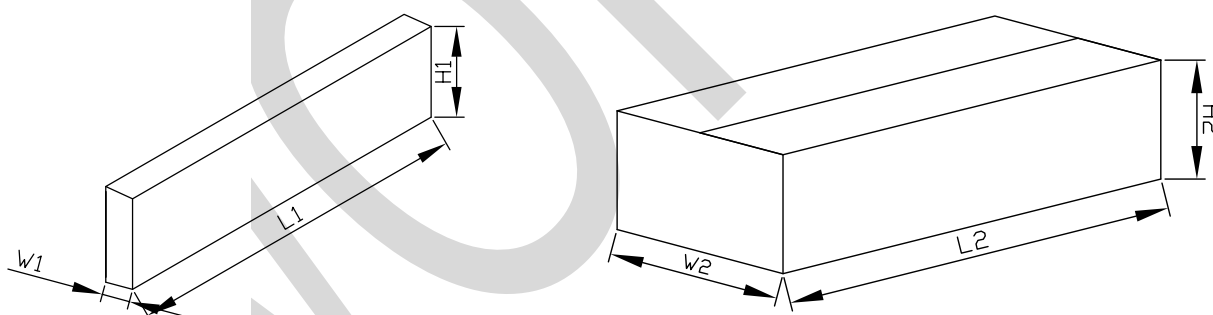
Packaging Information

1.Tube Dimensions



2. Inside Box

3. Outside Box



Packaging Information

NO	UNIT	Tube Dimensions			Inside Box			Outside Box		
Size	mm	A	B	C	L1	W1	H1	L2	W2	H2
		530	7	33	570	46	150	590	260	180
QTY	PCS	50PCS/Tube			Smallest package,1000PCS, 20 tube in total			5,000PCS/carton,5 boxes in total		
Note	Tolerance ≤20mm,±3mm; 21-100mm,±5mm; 101-500mm,±10mm									