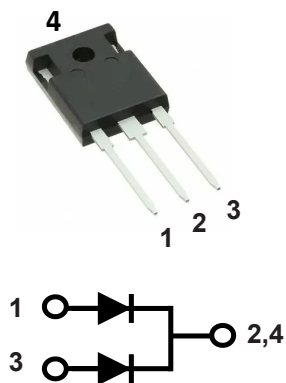


Schottky Barrier Rectifier

TO-247
MBR30200PT



Features

- 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 (T_J = 25°C unless otherwise noted)

Parameter			Symbol	Limit		Unit
Maximum repetitive peak reverse voltage			VRRM	200		V
Maximum average forward rectified current		per device	IF(AV)	30		A
		per diode		15		
Peak forward surge current 8.3 ms single half sine- wave superimposed on rated load per diode			IFSM	330		A
Operating junction and storage temperature range			T _J , T _{STG}	-50 to +150		°C
Typical thermal resistance per leg			R _{θJC}	2		°C/W
Instantaneous forward voltage per diode			VF	TYP.	MAX.	V
	IF=3A	TJ=25°C		0.74	0.79	
	IF=3A	TJ=125°C		0.69	-	
	IF=15A	TJ=25°C		0.90	0.95	
	IF=15A	TJ=125°C		0.85	-	
Instantaneous reverse current per diode at rated reverse voltage		TJ=25°C	IR	2	30	uA
		TJ=125°C		2	-	mA

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

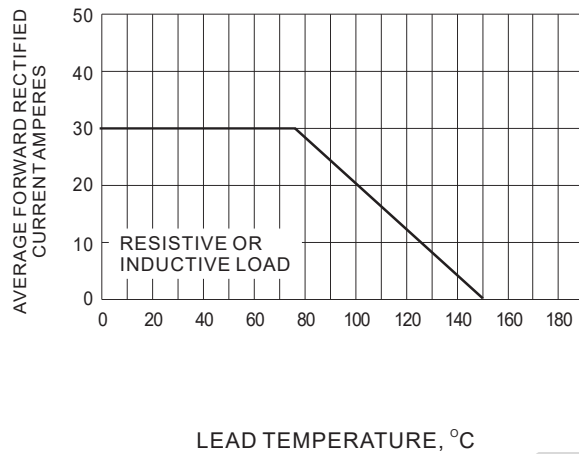


Fig.1- FORWARD CURRENT DERATING CURVE

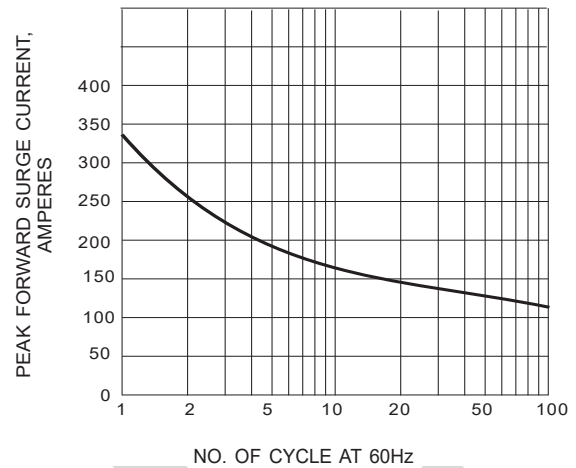


Fig.2- MAXIMUM NON-REPETITIVE SURGE CURRENT

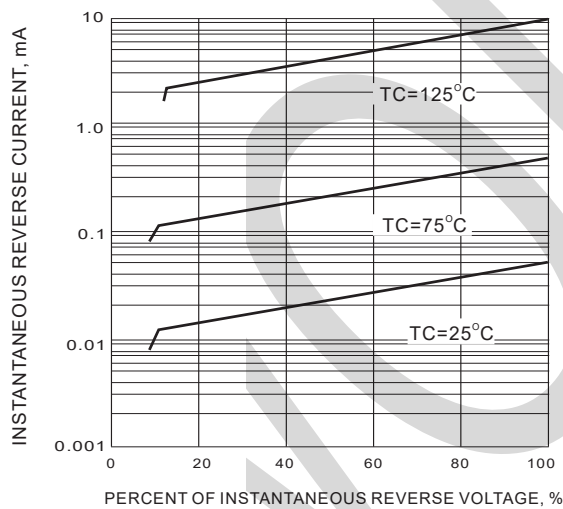


Fig.3- TYPICAL REVERSE CHARACTERISTIC

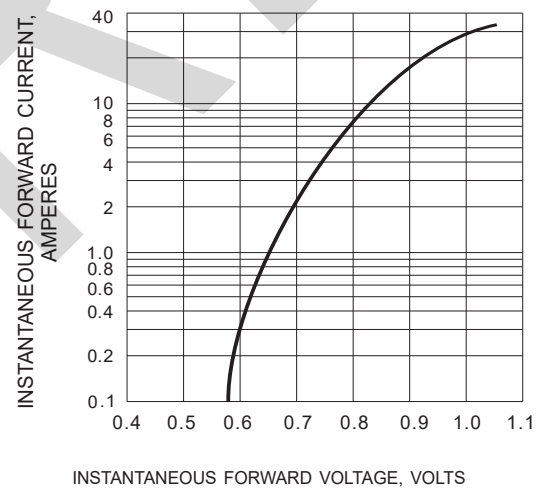
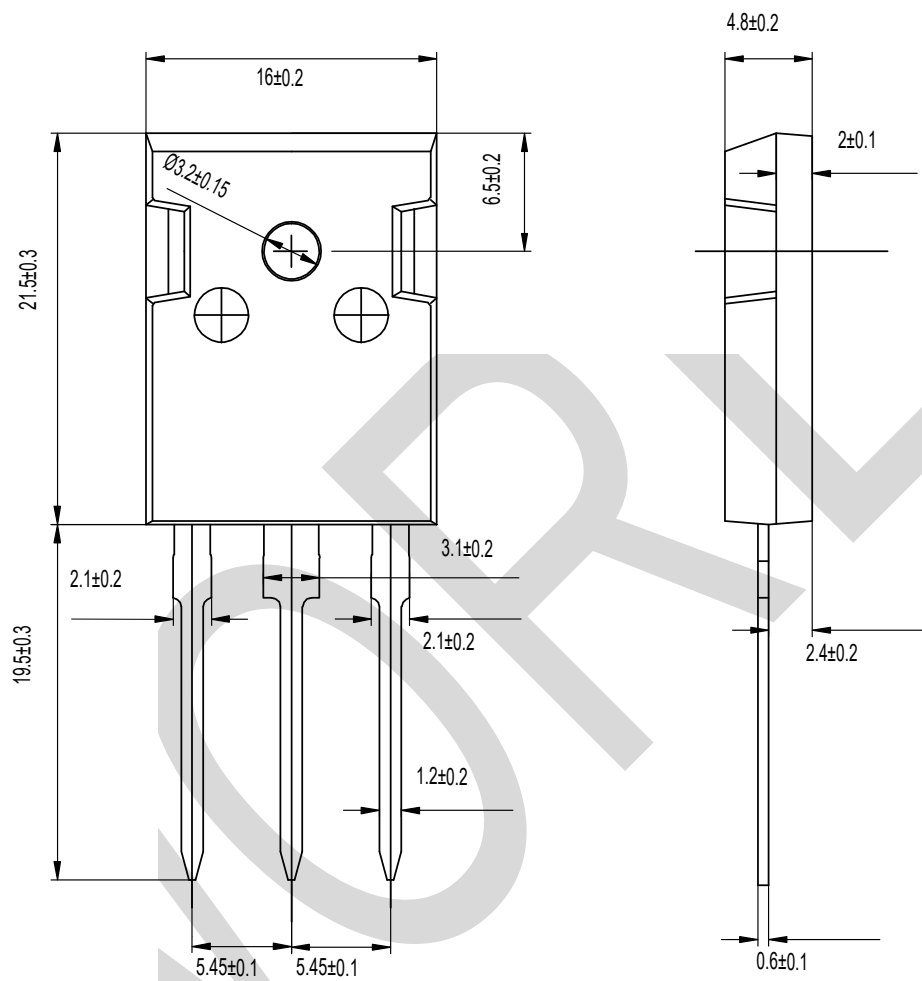


Fig.4- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTIC

PACKAGE OUTLINE DIMENSIONS

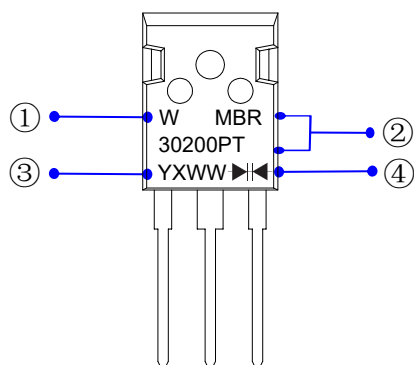
Note:unit In(mm)

TO-247

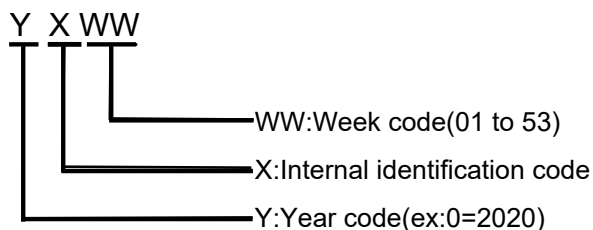


Dimensions in millimeters

Marking Information



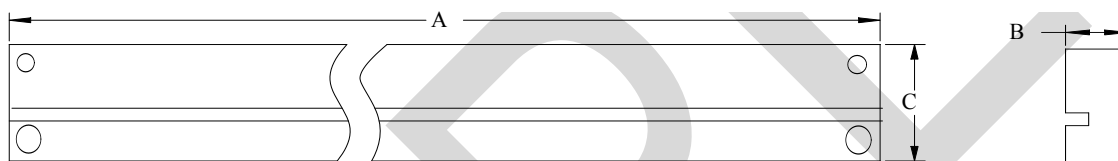
- ①W : Company's trademark
- ②Product model : MBR30200PT
- ③PDC information :



- ④ Double wafer

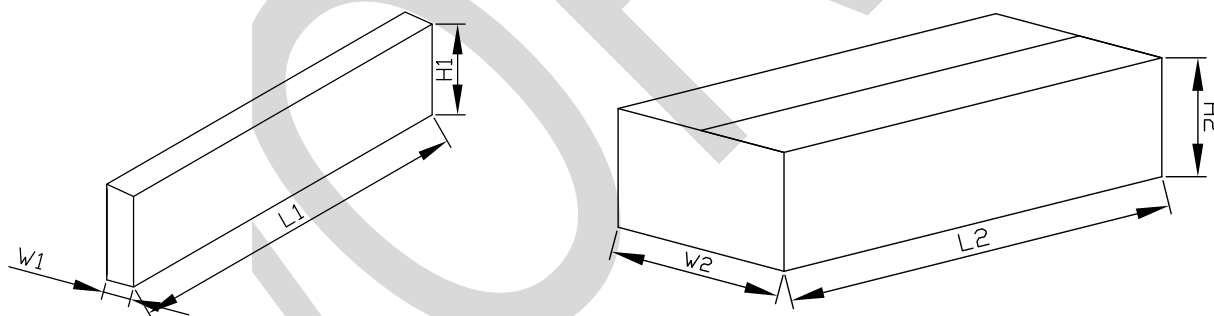
Packaging Information

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
		505	7	43	535	55	162	550	245	180
QTY	PCS	30PCS/Tube			Smallest package,600PCS, 20 tube in total			2,400PCS/carton,4 boxes in total		
Note	Tolerance ≤20mm,±3mm; 21-100mm,±5mm; 101-500mm,±10mm									