ULTRA LOW IR SCHOTTKY BARRIER RECTIFIERS

VOLTAGE 200~250 Volt CURRENT 3 Ampere

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-O.
 Flame Retardant Epoxy Molding Compound.
- Low power loss, high efficiency.
- High current capability
- High junction temperature capability
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free) (SMA)

MECHANICAL DATA

- Case: DO-201AD, SMA package
- Terminals: solder plated, solderable per MIL-STD-750, Method 2026
- DO-201AD Weight: 0.04 ounces, 1.142 grams.
- SMA Weight: 0.002 ounces, 0.068 grams.

	200V	250V		
DO-201AD	MBR3H200SS	MBR3H250SS		
SMA	SX3H20	SX3H25		

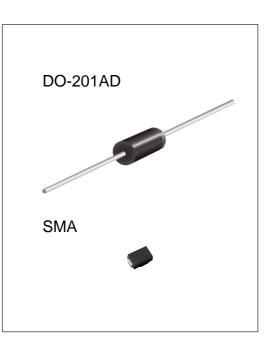
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%

PARAMETER	SYMBOL	200V 250V		UNITS	
Maximum Recurrent Peak Reverse Voltage		V _{rrm}	200 250		v
Maximum RMS Voltage	V _{rms}	140 175		V	
Maximum DC Blocking Voltage		V _{DC}	200	250	V
Maximum Average Forward Current		I _{F(AV)}		A	
Peak Forward Surge Current : 8.3 ms single half sine-wave superimposed on rated load		I _{fsm}	Ę	A	
Maximum Forward Voltage at 3A		V _F	C	V	
Maximum DC Reverse Current at Rated DC Blocking Voltage	T_=25°C T_=125°C	I _R	0.5		μA mA
Typical Thermal Resistance	SMA(Notes 1) DO-201AD(Notes 2)	$R_{_{ ext{ hetaJC}}}$	2	°C / W	
Operating Junction and Storage Tempe	Τ _J ,Τ _{stg}	-55 to	°C		

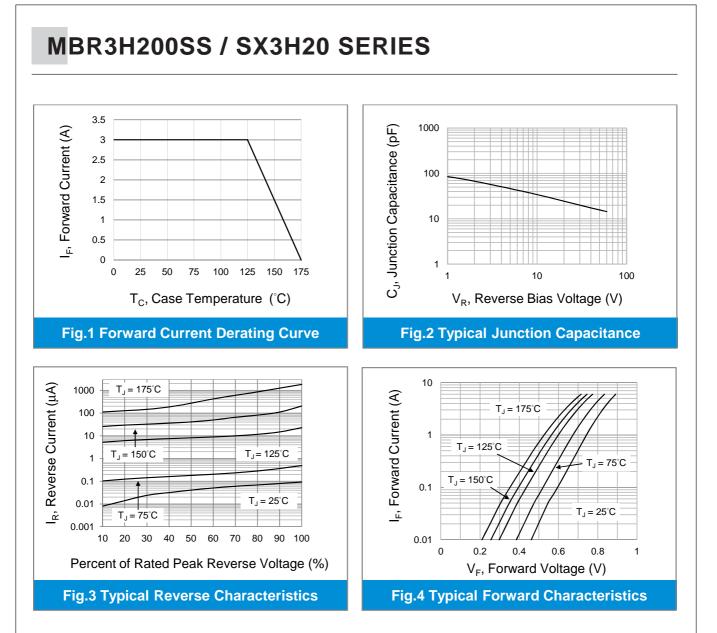
NOTES : 1. Mounted on a FR4 PCB, single-sided copper, with 100 cm 2 copper pad area

2. The testing condition of the thermal resistance (junction to lead) is based on 10 mm lead length between two 10cm x 10cm copper pad

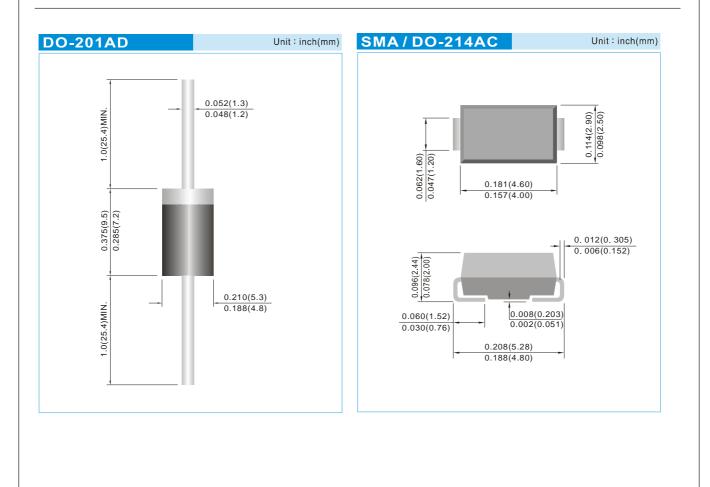














Part No_packing code_Version

MBR3H200SS_AY_00001 MBR3H200SS_AY_10001 MBR3H200SS_B0_00001 MBR3H200SS_B0_10001 MBR3H200SS_R2_00001 MBR3H200SS_R2_10001 SX3H20_R1_00001 SX3H20_R2_00001

For example :

RB500V-40_R2_00001

Part No.

- Serial number
 Version code means HF
 - Packing size code means 13"
- Packing type means T/R

Packing Code XX				Version Code XXXXX			
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code	
Tape and Ammunition Box (T/B)	Α	N/A	0	HF	0	serial number	
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number	
Bulk Packing (B/P)	В	13"	2				
Tube Packing (T/P)	т	26mm	X				
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y				
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U				
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D				



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