5 Ampere

ULTRA LOW IR SCHOTTKY BARRIER RECTIFIERS

VOLTAGE 200~250 Volt CURRENT

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 æ per IEC61249 Std. . (Halogen Free) (SMB)

MECHANICAL DATA

- Case: DO-201AD, SMB package
- Terminals: solder plated, solderable per MIL-STD-750, Method 2026
- DO-201AD Weight: 0.04 ounces, 1.142 grams.
- SMB Weight: 0.003 ounces, 0.092 grams.

	200V	250V		
DO-201AD	MBR5H200SS	MBR5H250SS		
SMB	SR5H20	SR5H25		



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 Voltag	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)}		А
Peak Forward Surge Current : 8.3 ms single half sine-wave superimposed on rated load		I _{fsm}	1	А
Maximum Forward Voltage at 5A	V _F	0	v	
Maximum DC Reverse Current at Rated DC Blocking Voltage	T_=25°C T_=125°C	I _R	0	μA mA
Typical Thermal Resistance	SMB(Notes 1) DO-201AD(Notes 2)	$R_{_{ ext{ hetaJC}}}$	1	°C / W
Operating Junction and Storage Tempera	T _J , T _{stg}	-55 to	°C	

NOTES : 1.Mounted on a FR4 PCB, single-sided copper, with 100cm² 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

MBR5H200SS_AY_00001 MBR5H200SS_AY_10001 MBR5H200SS_B0_00001 MBR5H200SS_B0_10001 MBR5H200SS_R2_00001 MBR5H200SS_R2_10001 SR5H20_R1_00001 SR5H20_R2_00001

For example :

RB500V-40_R2_00001

Part No.

- Serial numberVersion 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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