



Maximum Ratings And Electrical Characteristics (T_A=25°C unless otherwise noted)

PARAMETER		SYMBOL	150V	UNIT
Maximum repetitive peak reverse voltage		Vrrm	150	V
Maximum rms voltage		Vrms	105	V
Maximum dc blocking voltage		VR	150	V
Maximum average forward rectified current		IF(AV)	5	А
Peak forward surge current : 8.3ms single half sine-wave superimposed on rated load		IFSM	150	А
Maximum forward voltage at 5A		VF	0.85	V
Maximum dc reverse current	TJ =25°C	1-	0.5	μA
at rated dc blocking voltage	TJ =125°C	lr	1	mA
Typical thermal resistance	SMB(Note 1)	Rejc	18	°C/W
	DO-201AD(Note 2)		17	
Operating junction temperature range		ТJ	-55 to +175	°C
Storage temperature range		Тѕтс	-55 to +175	°C

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

2. The testing condition of the thermal resistance (junction to Case) is based on 10 mm lead length between two 10cm x 10cm x 0.5mm copper pad



MBR5H150SS \ SR5H15









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Product and Packing Information

Part No.	Package Type	Packing Type	Marking	
MBR5H150SS	DO-201AD	1250pcs / Ammo	MBR5H150SS	
MBR5H150SS	DO-201AD	500pcs / Box	MBR5H150SS	
MBR5H150SS	DO-201AD	1250pcs / 13" reel	MBR5H150SS	
SR5H15	SMB	0.8K pcs / 7" reel	SR5H15	
SR5H15	SMB	3K pcs / 13" reel	SR5H15	

Mounting Pad Layout





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