

## **3 AMP SCHOTTKY RECTIFIERS**

High-reliability discrete products and engineering services since 1977

#### FEATURES

- Available as "HR" (high reliability) screened per MIL-PRF-19500, JANTX level. Add "HR" suffix to base part number.
- Available as non-RoHS (Sn/Pb plating), standard, and as RoHS by adding "-PBF" suffix.

#### MAXIMUM RATINGS

Rating	Symbol	MBR320	MBR330	MBR340	MBR350	MBR360	Unit
Peak repetitive reverse voltage Working peak reverse voltage DC blocking voltage	V <sub>RRM</sub> V <sub>RWM</sub> V <sub>R</sub>	20	30	40	50	60	v
Average rectified forward current @ T <sub>A</sub> = 65°C (ROJA = 28°C/W,PC board mounted)	Io	3.0				А	
Non-repetitive peak surge current @ T <sub>L</sub> = 75°C <sup>(2)</sup> (surge applied at rated load conditions, halfwave, single phase, 60Hz)	IFSM	80				А	
Operating and storage junction temperature range	T <sub>J,</sub> T <sub>stg</sub>	-65 to +150			°C		
Peak operating junction temperature (forward current applied)	T <sub>J(pk)</sub>	150			°C		
Maximum thermal resistance Junction to ambient	R <sub>əja</sub>	28				°C/W	

#### ELECTRICAL CHARACTERISTICS (T<sub>A</sub> = 25°C unless otherwise specified)

Parameter	Symbol	MBR320	MBR330	MBR340	MBR350	MBR360	Unit
Maximum instantaneous forward voltage $^{(1)}$ (I_F = 1.0A) (I_F = 3.0A) (I_F = 9.4A)	VF		0.500 0.600 0.850		0.6 0.7 1.0	40	V
Maximum instantaneous reverse current <sup>(1)</sup> (Rated dc voltage, $T_c = 25$ °C) (Rated dc voltage, $T_c = 100$ °C)	I <sub>R</sub>			0.60 20			mA

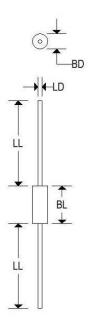


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### MECHANICAL CHARACTERISTICS

Case	DO-201A		
Marking	Alpha-numeric		
Pin out	Cathode band		



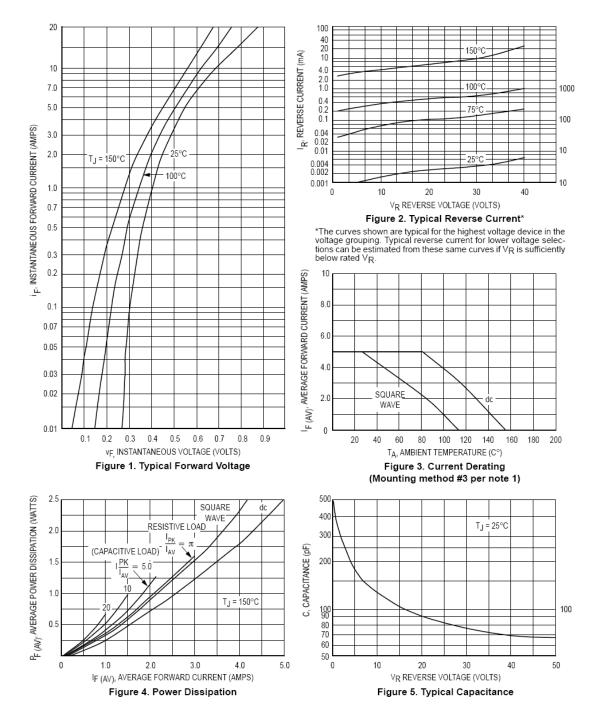
	DO-201A						
	Inches		Millimeters				
	Min	Max	Min	Max			
BD	0.190	0.260	4.826	6.604			
BL	0.285	0.375	7.240	9.530			
LD	0.048	0.052	1.219	1.321			
LL	1.000		25.400	2			



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### MBR320, MBR330, MBR340





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### MBR350 AND MBR360

