

Product Overview

MB4S: 0.5A Bridge Rectifier

For complete documentation, see the data sheet.

The MB family of bridge rectifiers is a 0.5 A rectifier family that achieves high surge current absorption within a very small foot print. Within its small 35 mm² form factor, the MB family shines in its surge capability. In order to absorb high surge currents, the design supports a 35 A IFSM rating and a 5.0 A²Sec I²T rating. Devices in the family are also rated to breakdown voltages of up to 1000 V. These features make the MB family ideal for small power supplies that need a little extra surge capability. For higher IFAV current ratings, lower profile packaging, or lower VF values, explore the ON Semiconductor MDB family of bridge rectifiers. For improved VF and efficiency values in the MB package or even higher surge capability, ask about ON Semiconductor's pending MBxSV family.

Features

- Low-Leakage
- Surge Overload Rating: 35 A Peak
- Ideal for Printed Circuit Board
- UL Certified: UL #E258596

Applications

- This product is general usage and suitable for many different applications.

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Type	I _{O(rec)} Max (A)	t _r Max (ns)	V _{RRM} Max (V)	V _{FM} Max (V)	I _{FSM} Max (A)	I _R Max (mA)	Package Type
MB4S	0.1141	Pb-free Halide free non AEC-Q and PPAP	Active	Bridge	0.5	-	400	1	35	0.005	SOIC4 W

For more information please contact your local sales support at www.onsemi.com.

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