GOOD-ARK SEMICONDUCTOR

MB22M thru MB210M

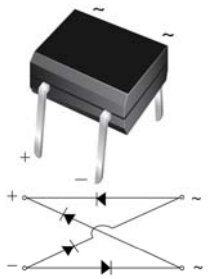
Schottky Bridge Rectifier

Reverse Voltage 20 to 100V Forward Current 2A

Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- High surge overload rating: 50A peak
- High temperature soldering guaranteed: 260°C/10 seconds

Package: MBM



Schematic Diagram

Mechanical Data

- **Case:** Molded plastic body over passivated junctions
- **Terminals:** Plated leads solderable per MIL-STD-750 Method 2026
- Mounting Position: Any
- Weight: 0.078oz., 0.22g
- Long pointed leads 3.70mm - 4.05 mm

Maximum Ratings & Electrical Characteristics

(T_A=25°C unless otherwise noted)

Parameter	Symbol	MB22M	MB24M	MB26M	MB28M	MB210M	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	20	40	60	80	100	V
Maximum RMS Voltage	V_{RMS}	14	28	42	56	70	V
Maximum DC Blocking Voltage	V_{DC}	20	40	60	80	100	V
Maximum Average Forward Output Current	$I_{F(AV)}$	2.0					A
Peak Forward Surge Current 8.3 MS Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	50					A
Maximum Instantaneous Forward Voltage at 2.0A	V_F	0.55		0.70	0.85		V
Maximum DC Reverse Current at Rated DC Blocking Voltage per Leg T_A=25°C	I_R	0.5					mA
T_A=100°C		20					
Operation Junction Temperature Range	T_J	-55 to +125					°C
Storage Temperature Range	T_{STG}	-55 to +150					°C

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Ratings and Characteristics Curves

(T_A = 25°C unless otherwise noted)

FIG. 1 - FORWARD CURRENT DERATING CURVE

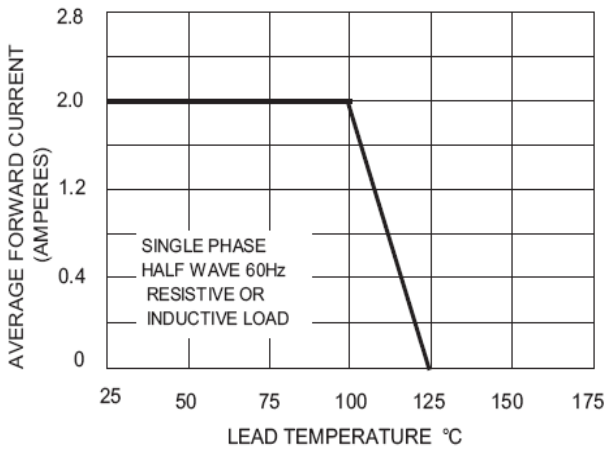


FIG. 2 –MAXIMUM NON-REPETITIVE SURGE CURRENT

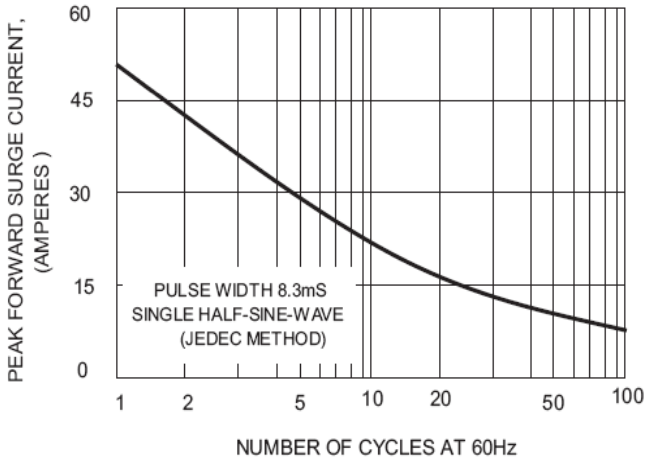


FIG.3-TYPICAL FORWARD CHARACTERISTICS

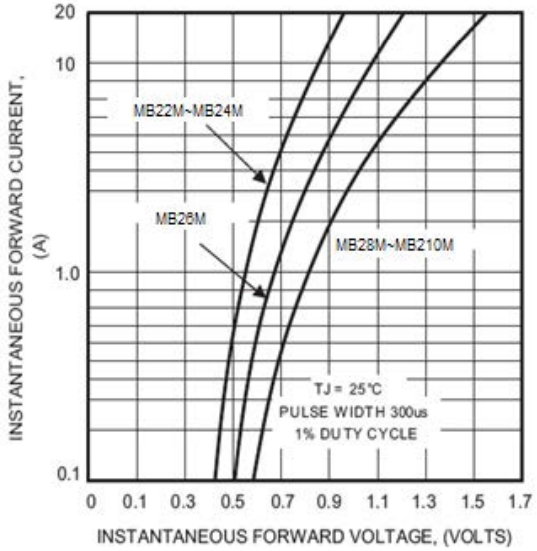
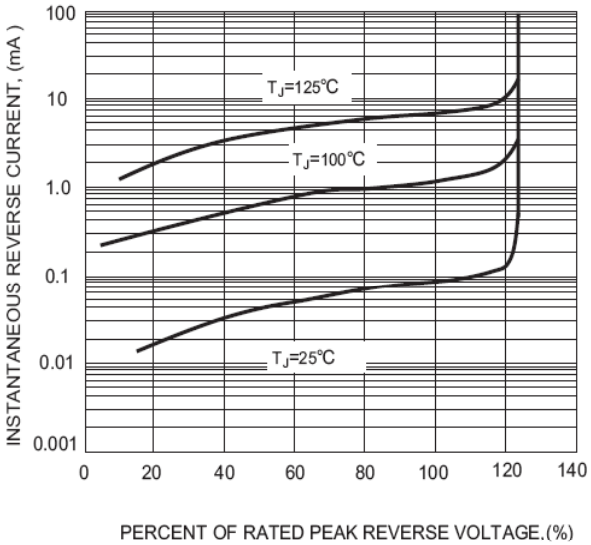


FIG.5-TYPICAL REVERSE CHARACTERISTICS



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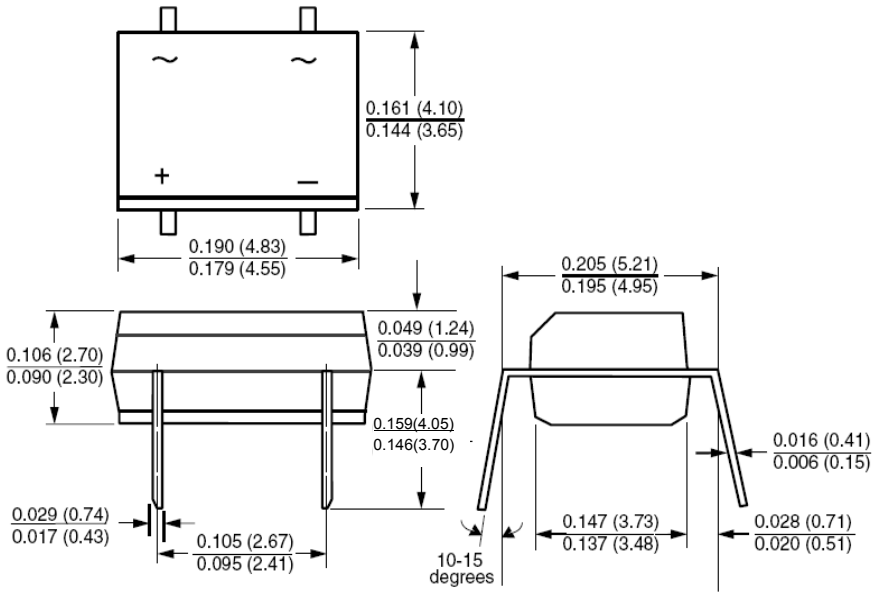
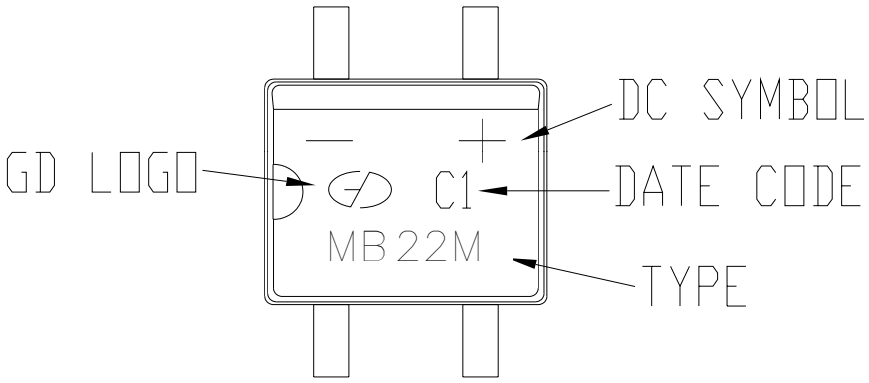
Package Outline Dimensions

MBM



Dimensions in inches and (millimeters)

Marking



DATE CODE

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
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