

MB22M thru MB210M

Schottky Bridge Rectifier
 Reverse Voltage 20 to 100V Forward Current 2A

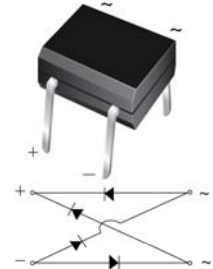
Features

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

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

Package: MBM



Schematic Diagram

Maximum Ratings & Electrical Characteristics

($T_A=25^\circ\text{C}$ 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 $T_A=25^\circ\text{C}$	I_R	0.5					mA
DC Blocking Voltage per Leg $T_A=100^\circ\text{C}$		20					
Operation Junction Temperature Range	T_J	-55 to +125					$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-55 to +150					$^\circ\text{C}$

Ratings and Characteristics Curves

($T_A = 25^\circ\text{C}$ unless otherwise noted)

FIG. 1 - FORWARD CURRENT DERATING CURVE

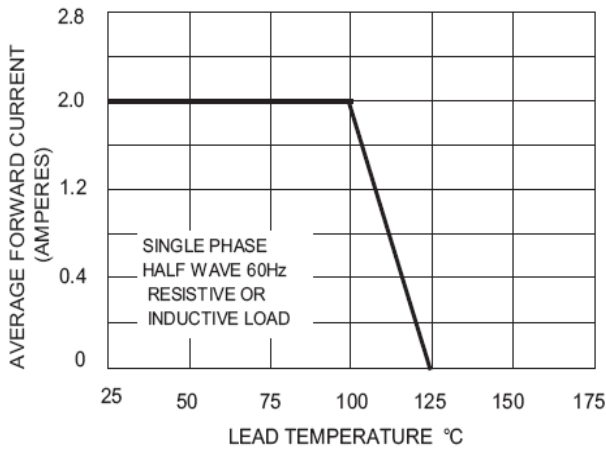


FIG. 2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

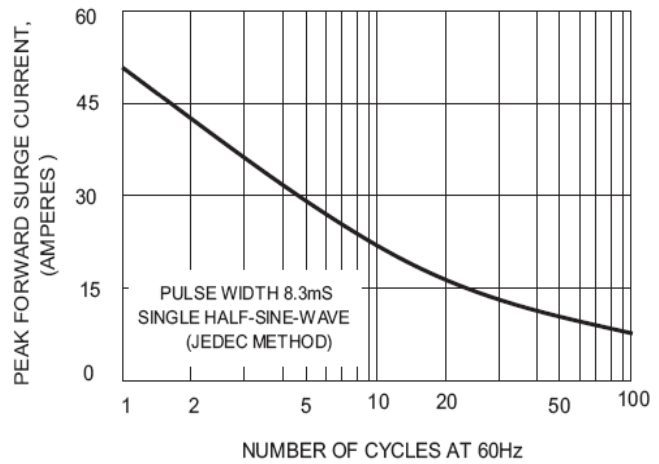


FIG.3-TYPICAL FORWARD CHARACTERISTICS

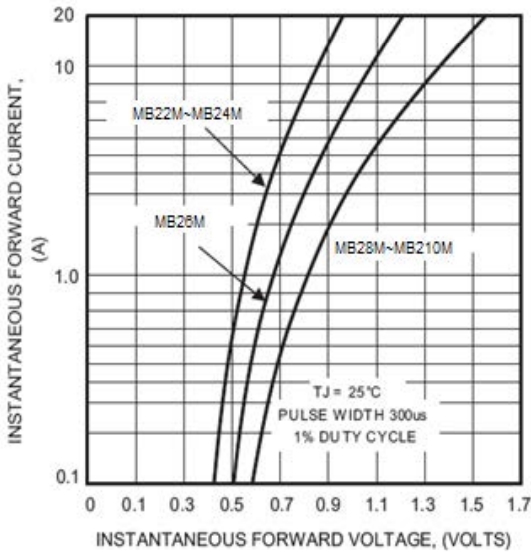
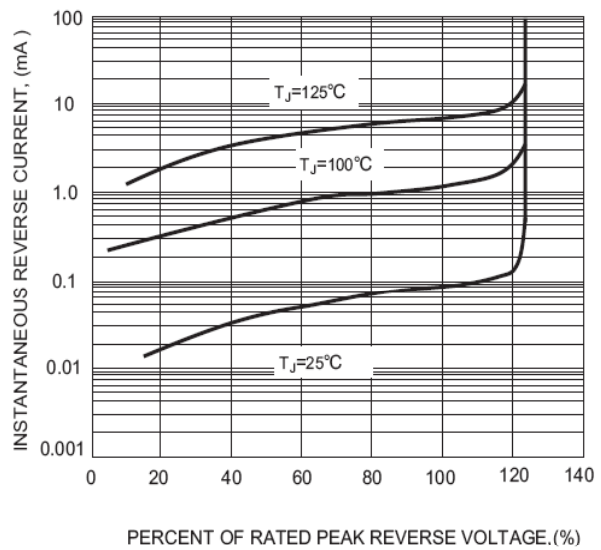


FIG.5-TYPICAL REVERSE CHARACTERISTICS

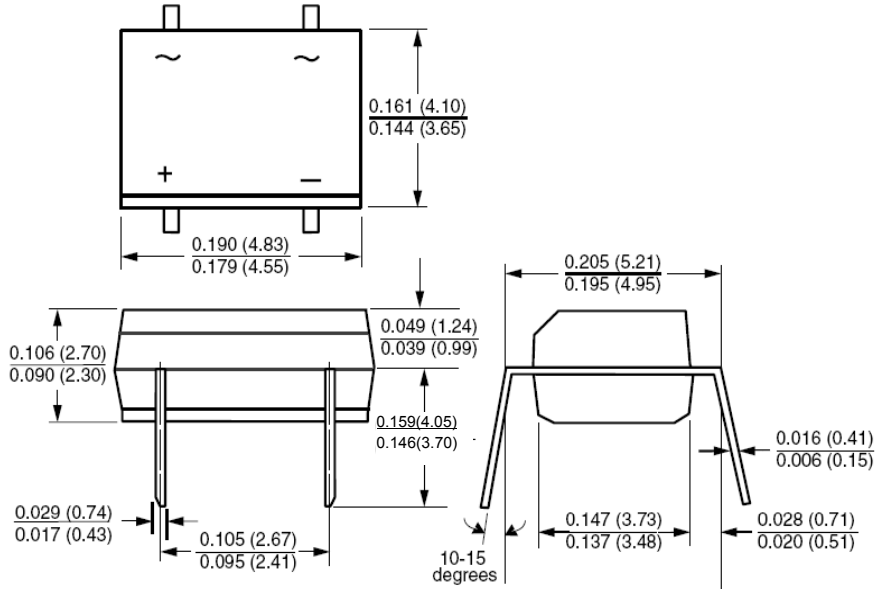


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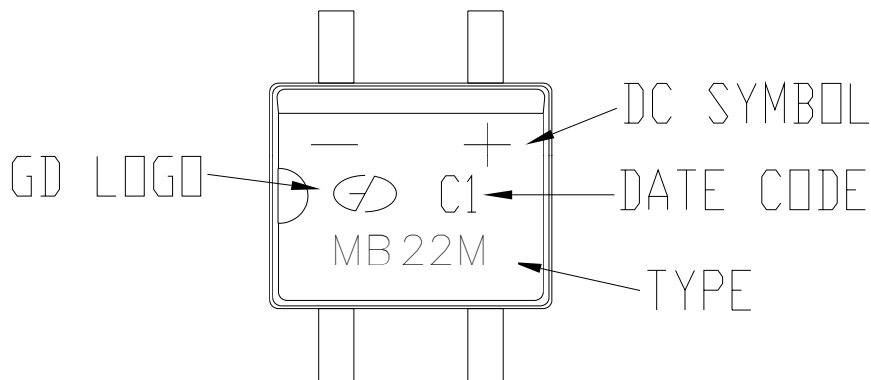
Package Outline Dimensions

MBM



Dimensions in inches and (millimeters)

Marking



DATE CODE

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Code	9	A	B	C	D	E	F	G	H	J	K	0
Month	1	2	3	4	5	6	7	8	9	10	11	12
Code	1	2	3	4	5	6	7	8	9	O	N	D