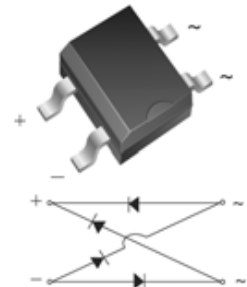


RMB2S thru RMB10S

Glass Passivated Fast Recovery Surface Mount Bridge Rectifier
Reverse Voltage 200 to 400 Volts Forward Current 0.5 Ampere

Features

- ◆ Plastic package has UL Flammability Classification 94V-0
- ◆ Glass passivated chip junctions
- ◆ Space saving
- ◆ Fast recovery, low switching loss
- ◆ High temperature soldering guaranteed:
260°C/10 seconds at 5 lbs. (2.3kg) tension



Package: TO-269AA(MBS)

Mechanical Data

- ◆ Case: Molded plastic body over passivated junctions
- ◆ Terminals: Plated leads solderable per MIL-STD-750, Method 2026
- ◆ Polarity: Polarity symbols marked on body
- ◆ Mounting Position: Any
- ◆ Weight: 0.078 oz, 0.22g

Maximum Ratings & Electrical Characteristics

(T_A=25°C unless otherwise noted)

Parameter	Symbol	RMB2S	RMB4S	RMB6S	RMB8S	RMB10S	Unit
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	200	400	600	800	1000	V
Maximum Average Forward Output Current (see Fig.1) on glass-epoxy P.C.B on aluminum substrate	I _{F(AV)}	0.5 ⁽¹⁾ 0.8 ⁽²⁾					A
Peak Forward Surge Current 8.3 MS Single HALF Sine- Wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	30					A
Rating for fusig (t<8.3ms)	I ² t	5					A ² sec
Maximum Instantaneous Forward Voltage Drop per eg at 0.4A	V _F	1.30					V
Maximum DC Reverse Current at T _A =25°C Rated DC Blocking Voltage per Leg T _A =125°C	I _R	5 100					μA
Maximum Reverse Recovery Time at I _F =0.5A,I _R =1.0A,I _{rr} =0.25A	T _{rr}	150		250	500		nS
Typical Thermal Resistance per Leg	R _{θJA}	85 ⁽¹⁾					°C/W
	R _{θJA}	70 ⁽²⁾					
	R _{θJL}	20 ⁽¹⁾					
Typical Junction Capacitance per at 4.0V,1.0MHz	C _J	13					pF
Operating Junction and Storage Temperature Range	T _J ,T _{STG}	-55 to +150					°C

Notes: 1. On glass epoxy P.C.B. mounted on 0.05×0.05"(1.3×1.3mm) pads

2. On aluminum substrate P.C.B. with an area of 0.8×0.8" (20×20mm) mounted on 0.05×0.05"(1.3×1.3mm) solder pad

Ratings and Characteristics Curves

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

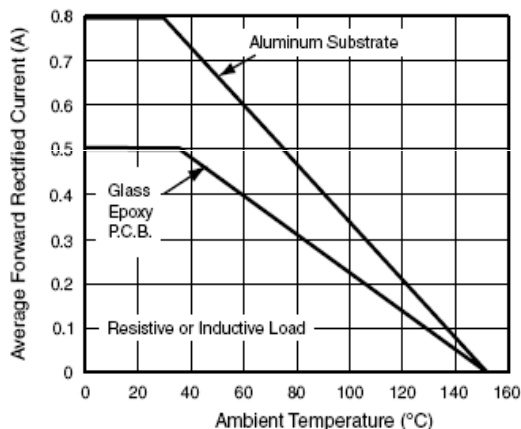


Figure 1. Derating Curve for Output Rectified Current

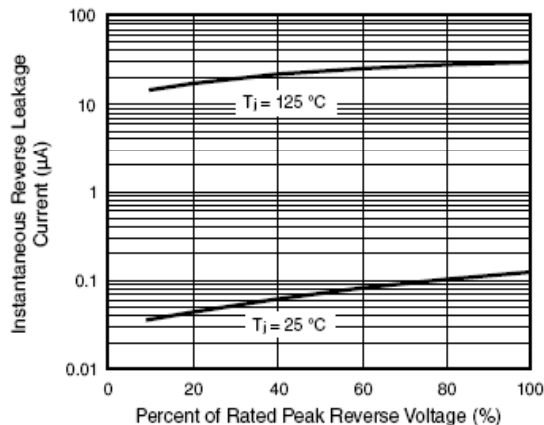


Figure 4. Typical Reverse Leakage Characteristics Per Leg

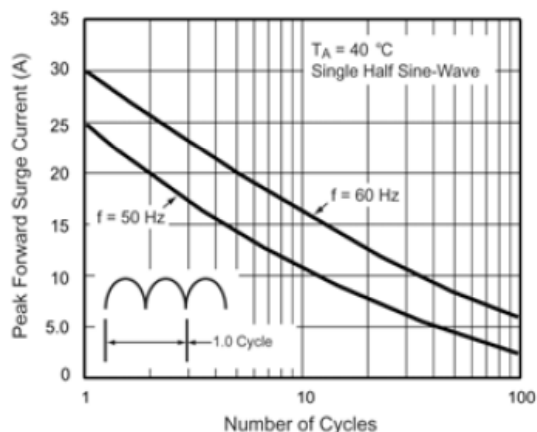


Figure 2. Maximum Non-Repetitive Peak Forward Surge Current Per Leg

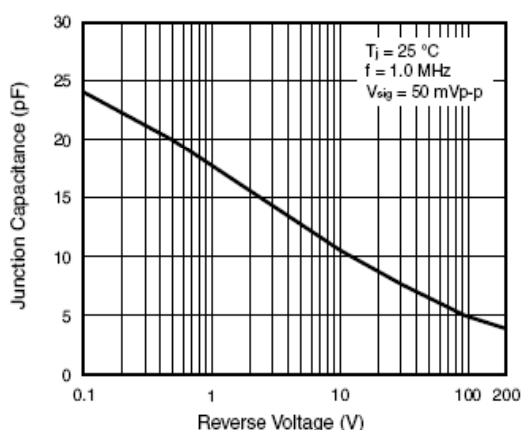


Figure 5. Typical Junction Capacitance Per Leg

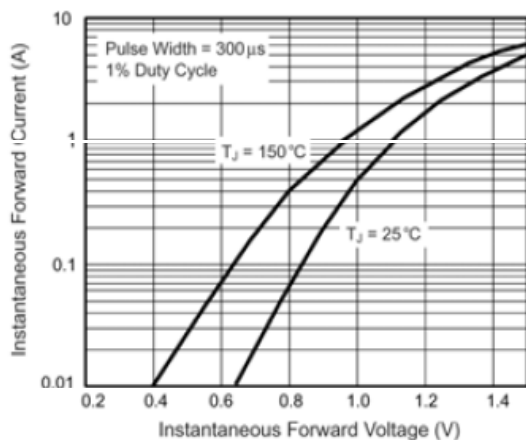
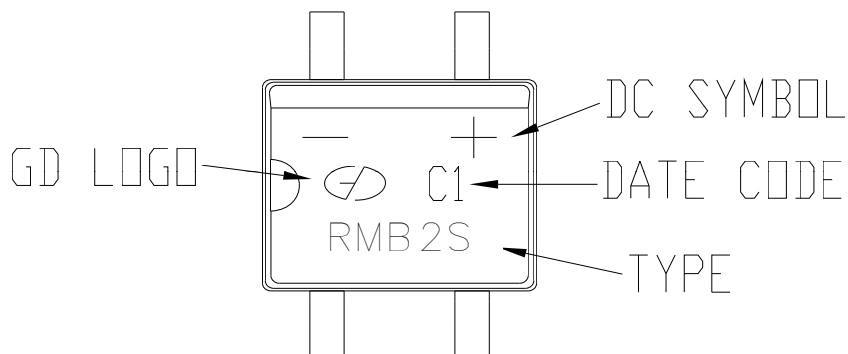


Figure 3. Typical Instantaneous Forward Characteristics Per Leg

RMB2S thru RMB10S

Glass Passivated Fast Recovery Surface Mount Bridge Rectifier
 Reverse Voltage 200 to 400 Volts Forward Current 0.5 Ampere

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

Package Outline Dimensions

