



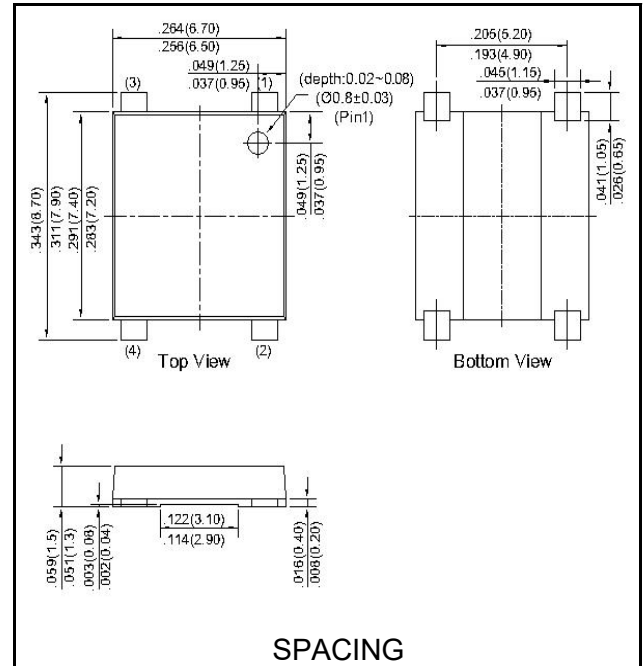
**MSB**

**Features**

- Glass passivated junction
- The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
- Surge overload ratings to 50 amperes peak
- Ideal for printed circuit board application
- High temperature soldering guaranteed 265°C/10 seconds at 5 lbs(2.3kg)tension

**Mechanical Data**

Case:Molded plastic  
 Terminals:Platde leads solderable per MIL-STD-750, Method 2026  
 Polarity:Polarity symbols molded or Marked on body  
 Mounting Position:Any  
 Weight:0.007ounce,0.2 grams(approx)



**Maximum Ratings & Thermal Characteristics**

Rating at 25°C ambient temperature unless otherwise specified,Resistive or inductive load,60HZ.  
 For Capacitive load derate current by 20%

Parameter	Symbol	RMSB	RMSB	RMSB	RMSB	RMSB	RMSB	RMSB	unit	
		601	602	603	604	605	606	607		
Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	V	
Maximum RMS bridge input voltage	VRMS	35	70	140	280	420	560	700	V	
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	V	
Maximum average forward rectified output current at TA=40°C	IF(AV)	6.0							A	
Maximum instantaneous forward voltage drop per leg at 3.0A	VF	0.95			1.25				V	
Peak forward surge current single sine-wave superimposed on rated load (JEDEC Method)	IFSM	125							A	
Maximum DC reverse current at ratde TA=25°C DC blocking voltage per element TA=125°C	IR	10				500				UA
Maximum reverse recovery time at	T <sub>rr</sub>	150			250	500			nS	
Rating for fusing(t<8.3ms)	I <sup>2</sup> t	60							A <sup>2</sup> sec	
Typical thermal resistance per element(1)	ReJA	110							°C/w	
Typical thermal resistance per element(2)	Cj	25.0							PF	
Operating junction and stroage temperature range	TJ, TSTG	-55to+150							°C	

Notes:(1)Thermal resistance from Junction to Ambient on P.C.board mounting.

(2)Measured at 1.0MHz and applied reverse voltage of 4.0 volts.



**RMSB601 thru RMSB610**  
**6.0A Single-Phase Fast Recovery Bridge Rectifiers**



**Rating and Characteristic Curves** (TA=25°C Unless otherwise noted)

FIG.1-FORWARD DERATING CURRENT

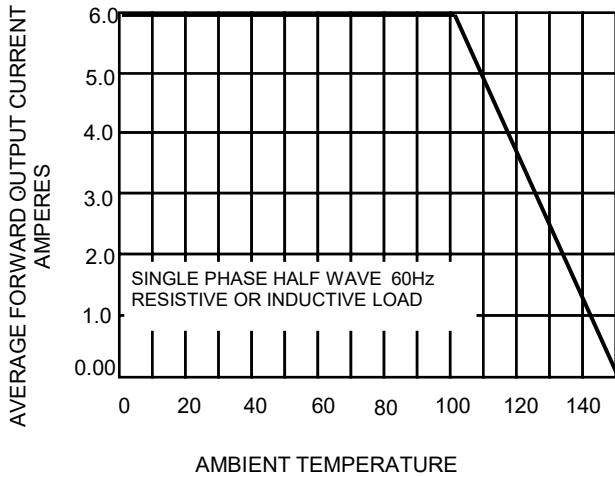


FIG.2-MAXIMUM NON-REPETITIVE SURGE

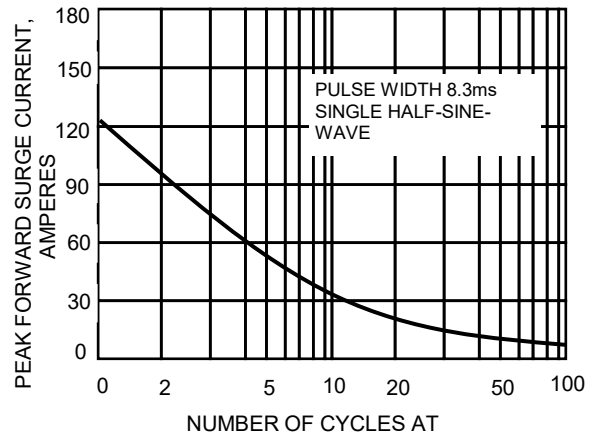


FIG.3-TYPICAL FORWARD

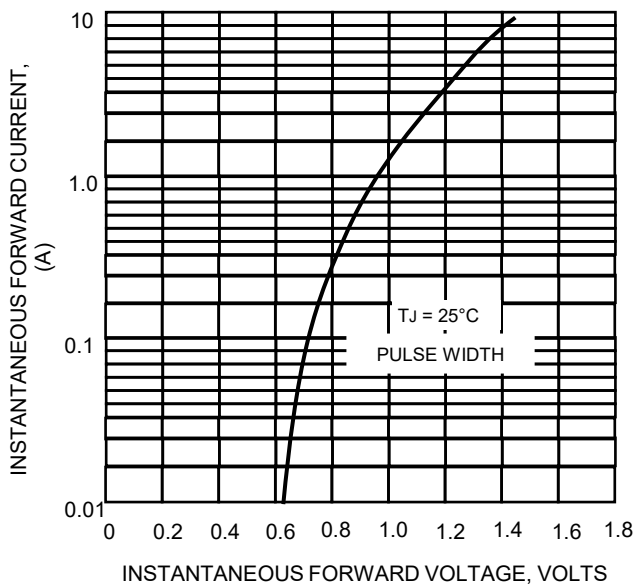
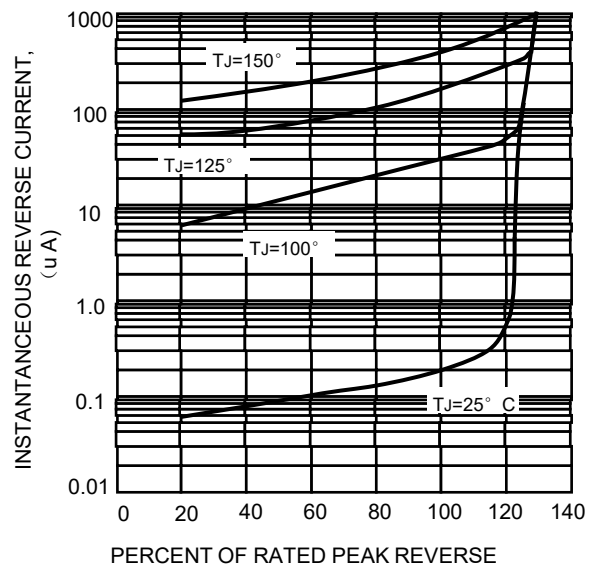


FIG.4-TYPICAL REVERSE



# RMSB601 thru RMSB607 RMSB6005 thru RMSB610

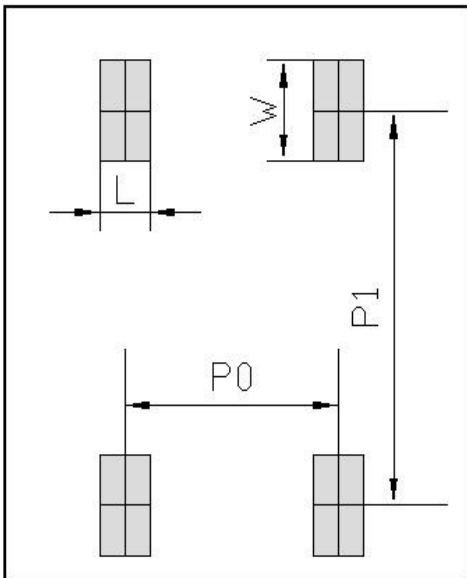
\* 10A Single-Phase : High Voltage Bridge Rectifiers



## Ordering Information(Example)

PREFERRED P/N	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
RMSB601~ RMSB607 RMSB6005~ RMSB610	Approximate 0.20	3000	6000	36000	REEL

## Suggested pad layout



Dimensions in millimeters

Unit:mm	
DIM	MIN
P0	5.12
P1	8.73
L	1.2
W	2.22

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