



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

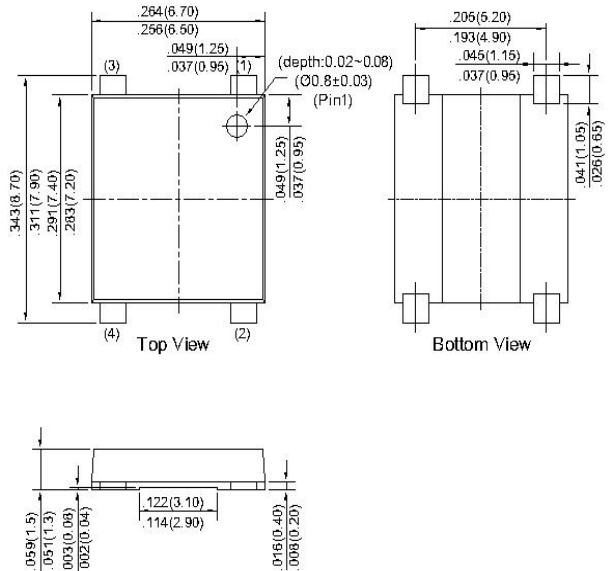
Polarity:Polarity symbols molded or Marked on body

Mounting Position:Any

Weight:0.007ounce,0.2 grams(approx)

Recifier Reverse Voltage 50V to 1000V

MSB



SPACING

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 401	RMSB 402	RMSB 403	RMSB 404	RMSB 405	RMSB 406	RMSB 407	unit
		RMSB 4005	RMSB 401	RMSB 402	RMSB 404	RMSB 406	RMSB 408	RMSB 410	
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)	4.0							A
Maximum instantaneous forward voltage drop per leg at 2.0A	VF	0.95			1.25			V	
Peak forward surge current single sine-wave superimposed on rated load (JEDEC Method)	IFSM	90							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 _{rr}	150			250	500		nS	
Rating for fusing(t<8.3ms)	I ² t	60							A ² 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.



RMSB401 thru RMSB410

4.0A Single-Phase Fast Recovery Bridge Rectifiers



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

FIG.1-FORWARD DERATING CURRENT

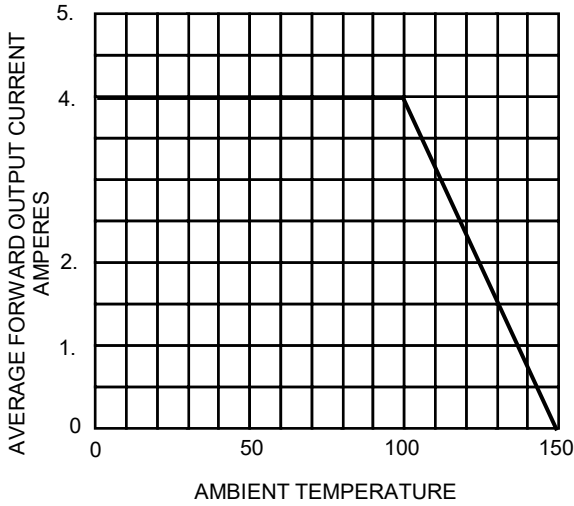


FIG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

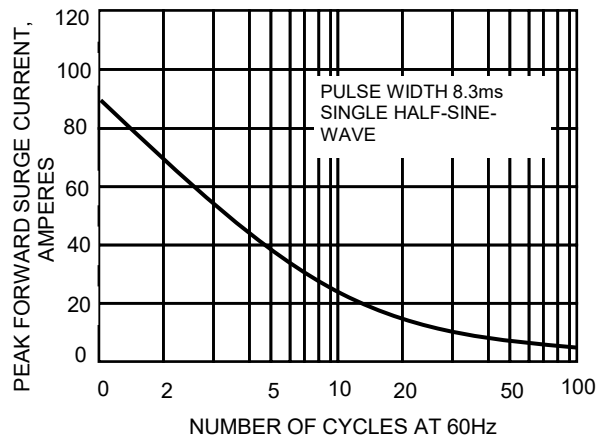


FIG.3-TYPICAL FORWARD

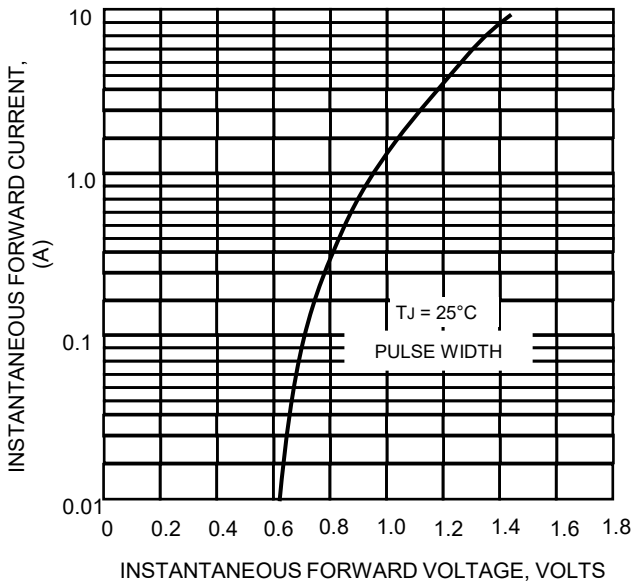
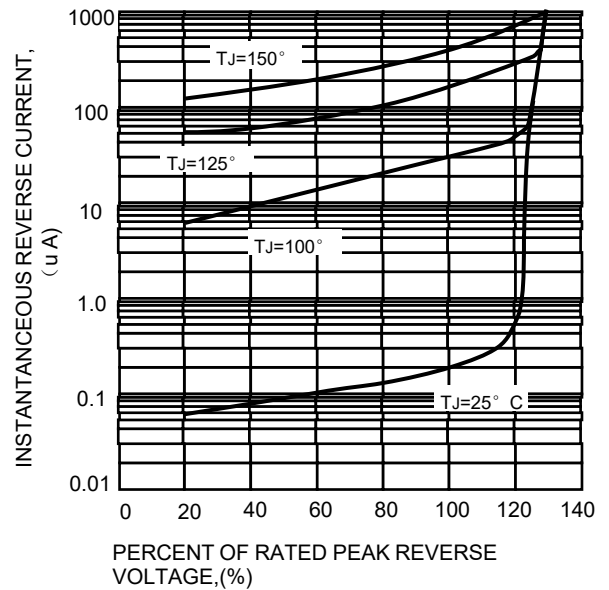


FIG.4-TYPICAL REVERSE





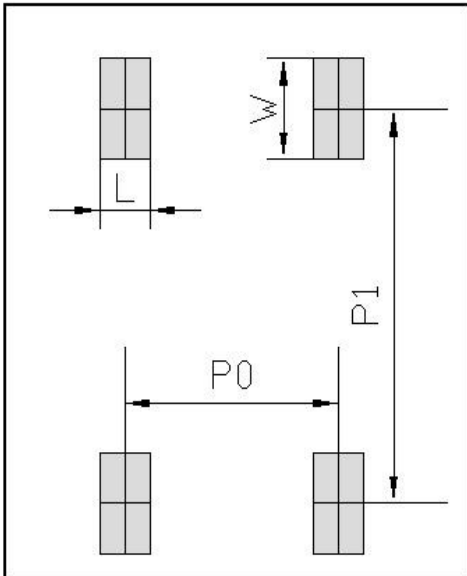
RMSB401 thru RMSB410
RMSB4005 thru RMSB410
4.0A Single-Phase Fast Recovery Bridge Rectifiers



Ordering Information(Example)

PREFFREN P/N	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
RMSB401~ RMSB407 RMSB4005~ RMSB410	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