

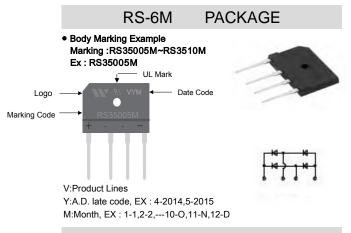
RS35005M THRU RS3510M

35A GLASS PASSIVATED BRIDGE RECTIFIERS-50V~1000V

PRIMARY CHARACTERISTICS					
V_{RRM}	50V,100V,200V				
	400V,600V,800V,100V				
I _(AV)	35A				
V _F	1.1V				
l ² t	510A ² s				
T _{J,Max}	150°C				

FEATURES

- Rating to 1000V PRV
- Ideal for printed circuit board
- Low forward voltage drop, high current capability
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Moisture Sensitivity Level 1



MECHANICAL DATA

Case : Molded plastic,RS-6M

Polarity : Shown above

 Terminals :Plated terminals, solderable per

MIL-STD-750, Method 2026

 Epoxy: UL94-V0 rated flame retardant

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	RS 35005M	RS 3501M	RS 3502M	RS 3504M	RS 3506M	RS 3508M	RS 3510M	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	٧
Maximum Average Forward (with heatsink Note 2) Rectified Current @ Tc=100°C (without heatsink)	I(AV)	35.0 5.0						Α	
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	400						А	
Maximum Forward Voltage at 17.5A DC	VF	1.1						٧	
Maximum DC Reverse Current @ TJ=25°C at Rated DC Blocking Voltage @ TJ=125°C	lR	10.0 500						μΑ	
I ² t Rating for Fusing (t<8.3ms)	l ² t	510					A ² s		
Typical Junction Capacitance Per Element (Note1)	Сл	85						pF	
Typical Thermal Resistance (Note2)	Rejc	0.6						°C/W	
Operating Temperature Range	TJ	-55 to +150						°C	
Storage Temperature Range	Тѕтс	-55 to +150					$^{\circ}$		

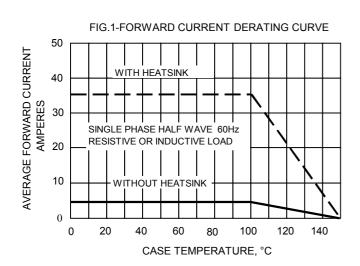
NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

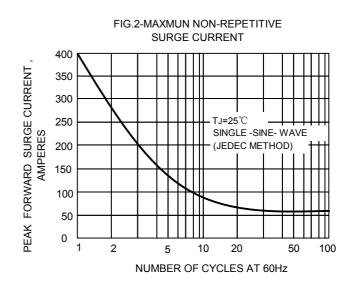
2.Device mounted on 300mm*300mm*1.6mm cu plate heatsink.



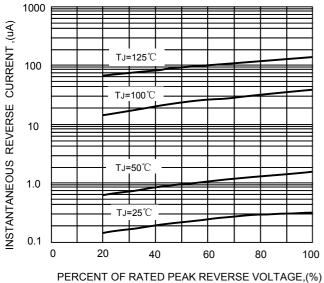
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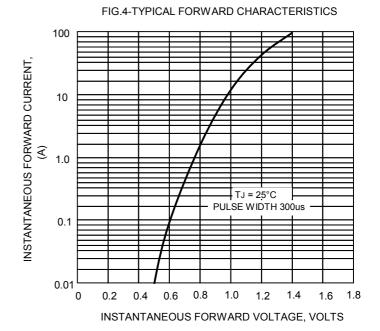
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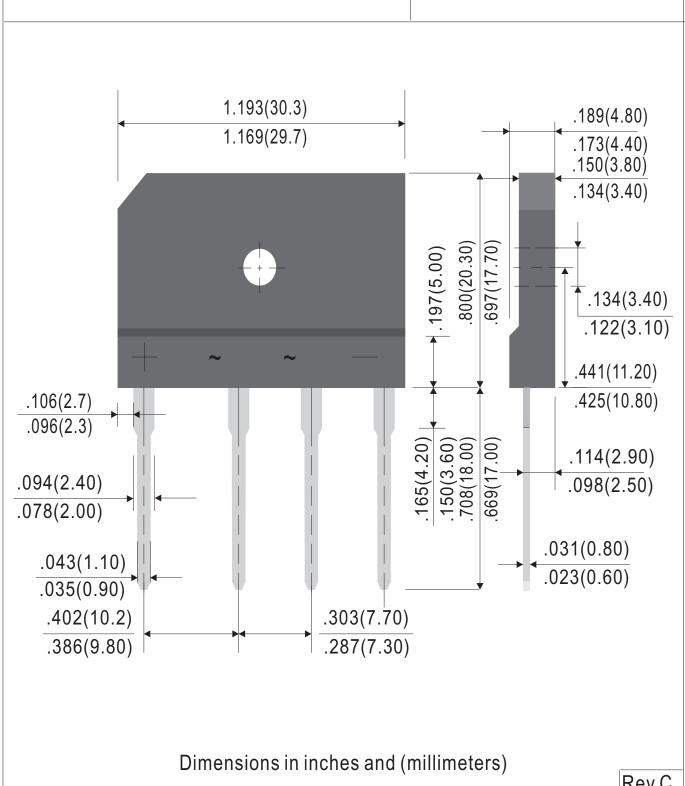




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Outline Drawing

RS-6M



Rev.C



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Ordering Information:

Device PN	Packing
Part Number - ⁽¹⁾ G ⁽²⁾ -WS	Tube Packing:15pcs/Tube; 750pcs/Box

Note: 1. Packing code: Empty is Tube Packing

2. RoHS product for packing code suffix "G", Halogen free product for packing code suffix "H".

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