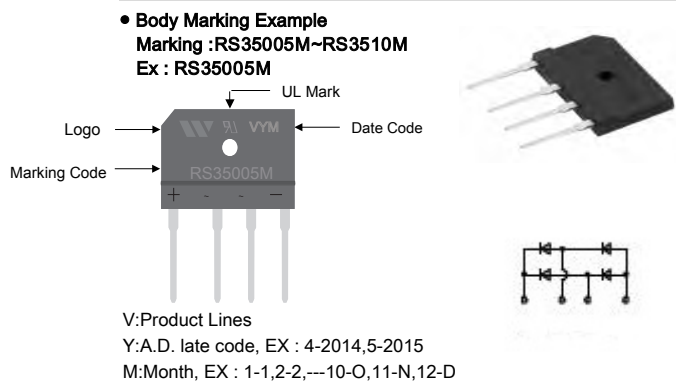


35A GLASS PASSIVATED BRIDGE RECTIFIERS-50V~1000V
PRIMARY CHARACTERISTICS

V_{RRM}	50V,100V,200V 400V,600V,800V,100V
$I_{(AV)}$	35A
V_F	1.1V
I^2t	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

RS-6M PACKAGE

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	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current (with heatsink Note 2) @ $T_C=100^\circ\text{C}$ (without heatsink)	$I_{(AV)}$	35.0 5.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I_{FSM}	400							A
Maximum Forward Voltage at 17.5A DC	V_F	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage @ $T_J=25^\circ\text{C}$ @ $T_J=125^\circ\text{C}$	I_R	10.0 500							μA
I^2t Rating for Fusing ($t<8.3\text{ms}$)	I^2t	510							A ² s
Typical Junction Capacitance Per Element (Note1)	C_J	85							pF
Typical Thermal Resistance (Note2)	$R_{\theta JC}$	0.6							°C/W
Operating Temperature Range	T_J	-55 to +150							°C
Storage Temperature Range	T_{STG}	-55 to +150							°C

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.



FIG.1-FORWARD CURRENT DERATING CURVE

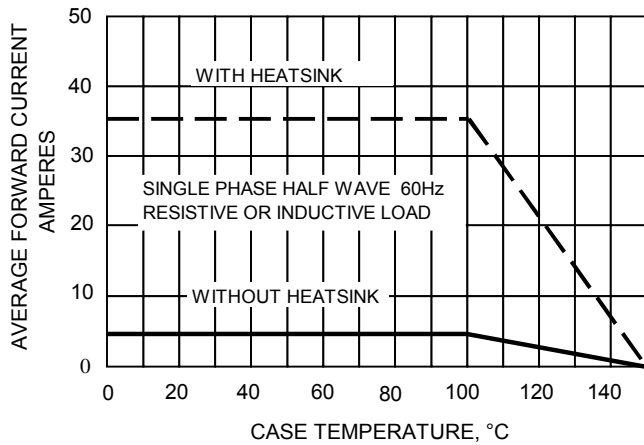


FIG.2-MAXMUN NON-REPETITIVE SURGE CURRENT

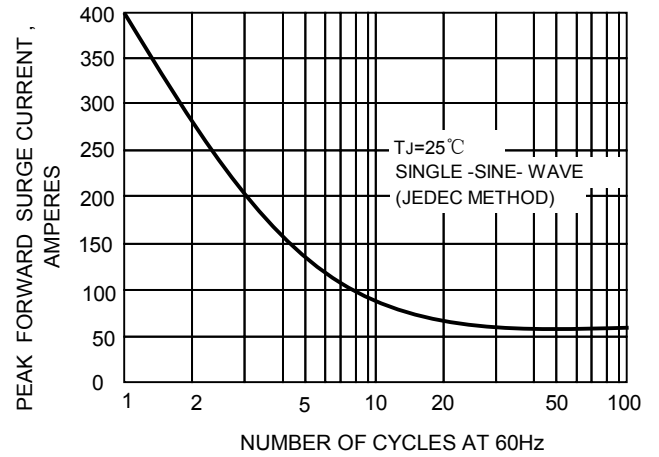


FIG.3-TYPICAL REVERSE CHARACTERISTICS

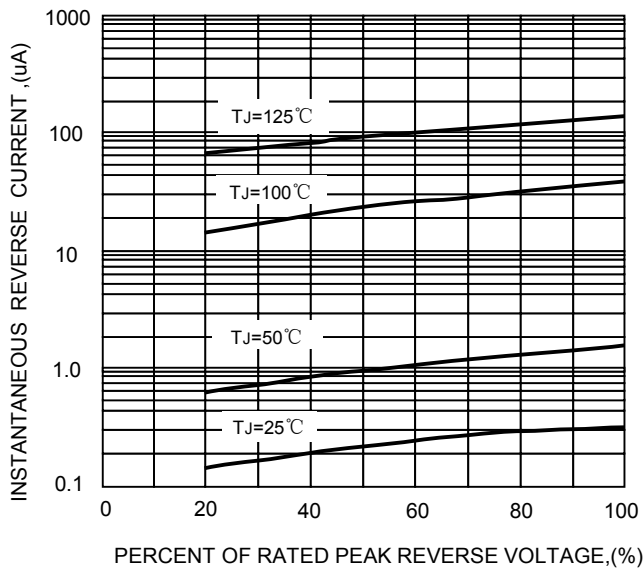
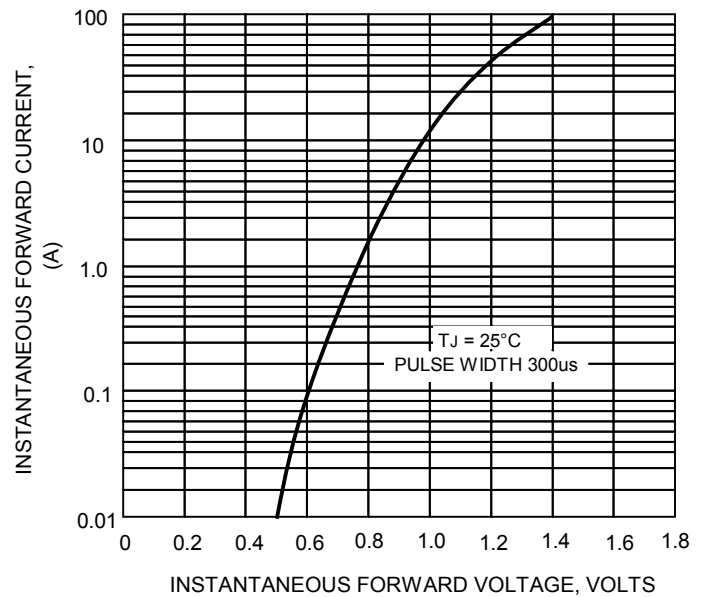
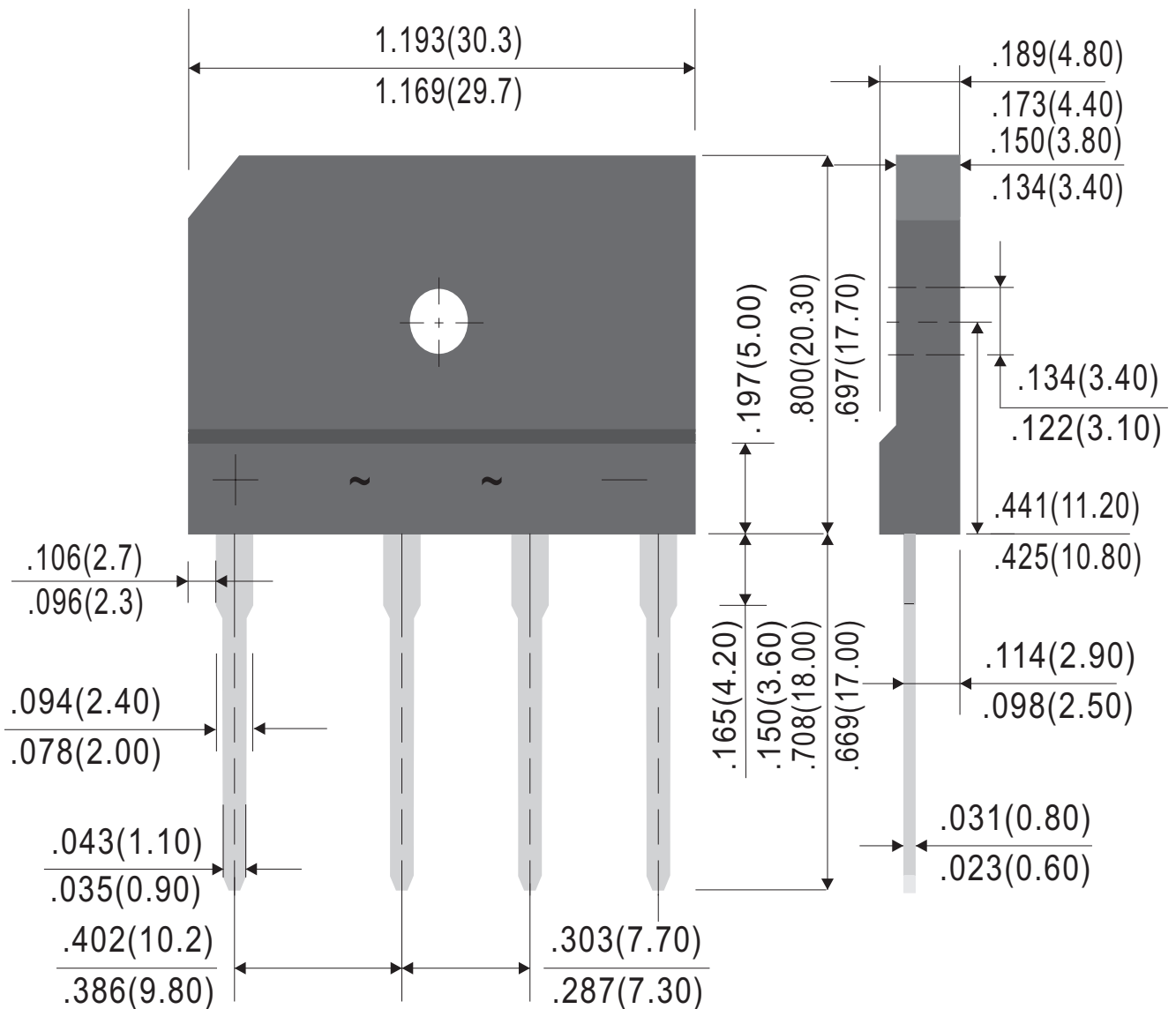


FIG.4-TYPICAL FORWARD CHARACTERISTICS



Outline Drawing

RS-6M



Dimensions in inches and (millimeters)

Rev.C

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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