

RS401GL~RS407GL

BRIDGE RECTIFIERS

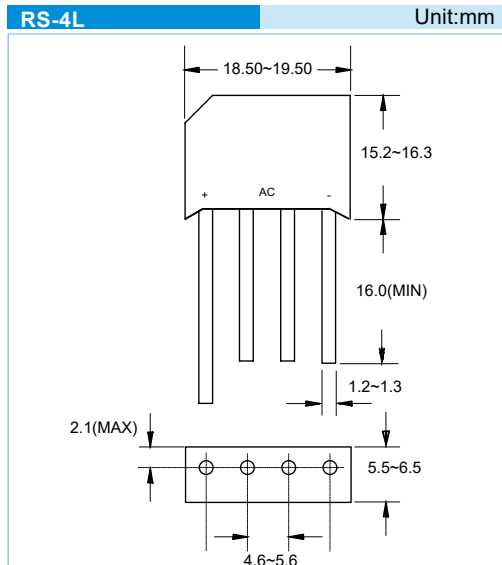
VOLTAGE 50 to 1000 Volt **CURRENT** 4 Ampere

FEATURES

- Glass passivated chip junction
- Ideal for printed circuit board
- High Current Capability
- High reliability
- Lead free in compliance with EU RoHS

MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

PARAMETER	SYMBOL	RS401GL	RS402GL	RS403GL	RS404GL	RS405GL	RS406GL	RS407GL	UNITS
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 Current (see FIG.1)	$I_{F(AV)}$	4							A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	200							A
Maximum Forward Voltage at 4 A	V_F	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	5 100							μA
Thermal Resistance	$R_{\theta JC}$	5.0							$^{\circ}C / W$
I^2t Rating for fusing	I^2t	166							A^2S
Typical Junction Capacitance (Note1)	C_J	40							pF
Operating Junction Temperature Range	T_J	-55 to +150							$^{\circ}C$
Storage Temperature Range	T_{STG}	-55 to +150							$^{\circ}C$

NOTES:

1. Measured at 1.0MHz and applied reverse voltage of 4.0 volt

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RATING AND CHARACTERISTIC CURVES

FIG. 1 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

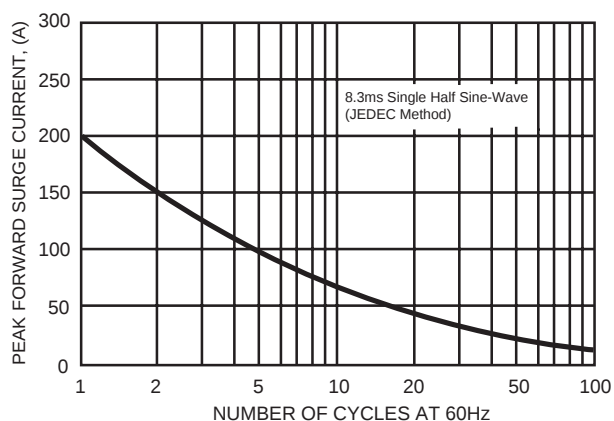


FIG. 2 - TYPICAL FORWARD CURRENT DERATING CURVE

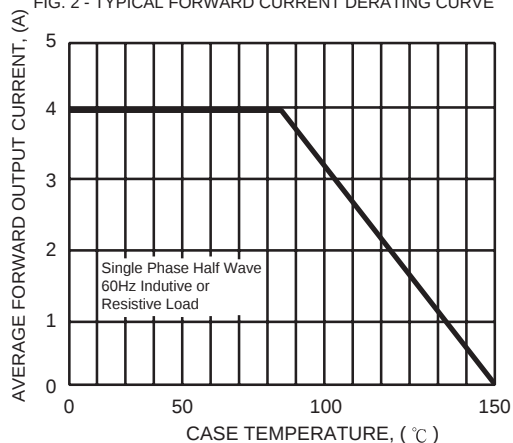


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

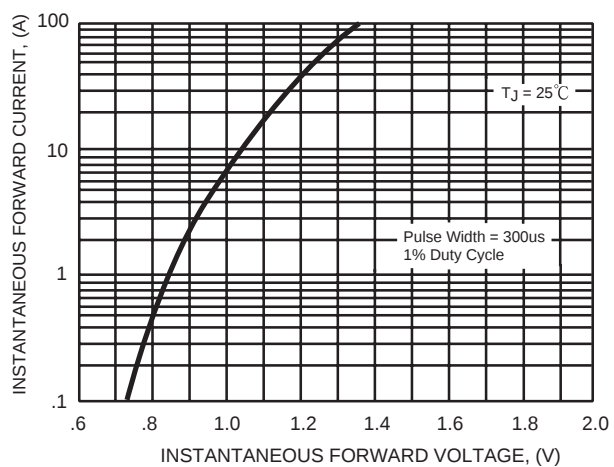
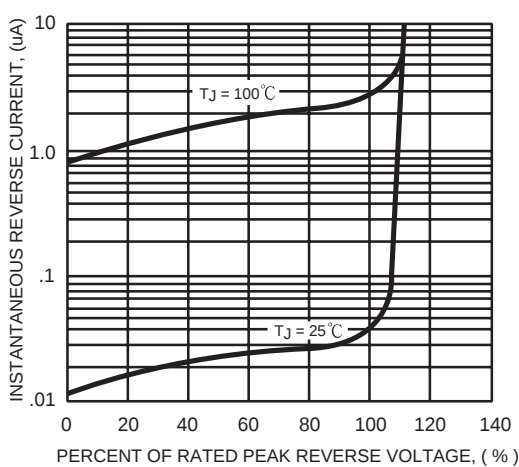


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS



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ORDER INFORMATION

- Packing information

Part Number	Case	DELIVERY MODE	QUANTITY
RS401GL~RS407GL	RS-4L	BULK	2000/Ctn