



SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER

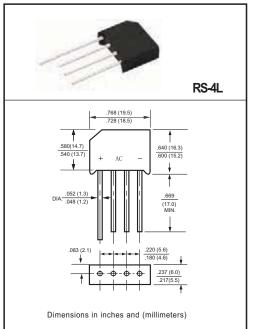
VOLTAGE RANGE 50 to 1000 Volts CURRENT 4.0 Amperes

FEATURES

- * Tin-plated copper leads
- * Surge overload rating: 150 amperes peak
- * Low leakage
- * Mounting position: Any
- * Low forward voltage

MECHANICAL DATA

- * Epoxy: Device has UL flammability classification 94V-O
- * Epoxy: UL listed the recognized component,file #94233



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25 °C ambient temperature unless otherwise specified. resistive or inductive load.

MAXIMUM RATINGS (@ TA=25 °C unless otherwise noted)

RATINGS	SYMBOL	RS401L	RS402L	RS403L	RS404L	RS405L	RS406L	RS407L	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at $T_A = 50^{\circ}C$	IO	4.0						Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	150						Amps	
Typical Current Squarad Time	l ² t	93.37					A ² Sec		
Insulation voltage	Viso	3000					Volts		
Turical Thomas Desistance (Note 1)	$R_{\theta JC}$	10							°C/W
Typical Thermal Resistance (Note 1)	$R_{\theta JA}$	28							
Typical Junction Capacitance (Note 3)	CJ	40				pF			
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to + 150					٥C		

ELECTRICAL CHARACTERISTICS(@TA=25 °C unless otherwise noted)

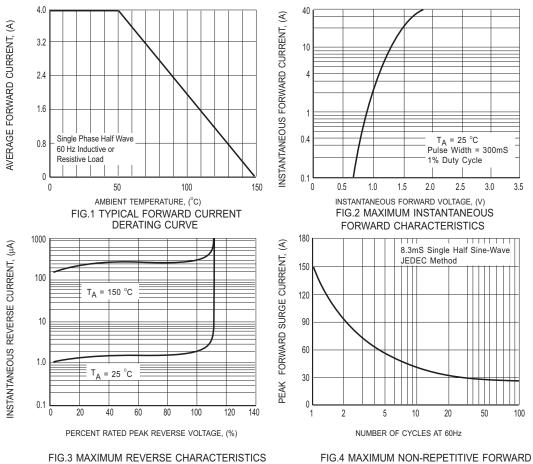
CHARACTERISTI	SYMBOL	RS401L	RS402L	RS403L	RS404L	RS405L	RS406L	RS407L	UNITS	
Maximum Instantaneous Forward Vo	VF	1.05							Volts	
Maximum DC Reverse Current	@T _A = 25°C	1-	2.0							
at Rated DC Blocking Voltage	@T _A = 150°C	I IR	500							uAmps

NOTES: 1. Thermal Resistance : Heat-sink case mounted or if PCB mounted.

2. " ROHS compliant".

3. Measureed at 1MHz and applied reverse voltage of 4.0 volts.

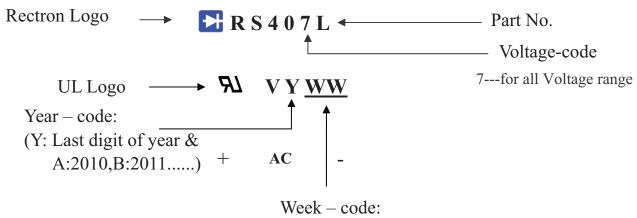
2021-07 REV: H



SURGE CURRENT



Marking Description



(WW:01~52)



PACKAGING OF DIODE AND BRIDGE RECTIFIERS

TUBE PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	WEIGHT(Kg)
RS-4L	-C	1,012	491*145*133	495*323*157	2,024	14.5

BULK PACK

PACKAGE	PACKING CODE EA PER BOX		INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)	
RS-4L	-B	500	225*227*45	475*245*168	3,000	15.0	



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