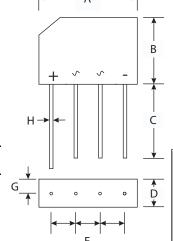


RS101 THRU RS107

CURRENT 1.0 Amperes VOLTAGE 50 to 1000 Volts

Features

- · Glass Passivated Die Construction
- · High Case Dielectric Strength of 1500VRMS
- · Low Reverse Leakage Current
- · Surge Overload Rating to 65A Peak
- · Ideal for Printed Circuit Board Applications
- · Plastic Material UL Flammability Classification 94V-0



RS								
Dim	Min	Max						
Α	15.50	16.00						
В	10.00	10.50						
С	15.00	_						
D	3.70	4.00						
E	2.50	3.00						
G	2.30	2.50						
Н	0.70 Typical							
All Dimensions in mm								

Mechanical Data

· Case: Molded Plastic

· Terminals : Plated Leads, Solderable per MIL-STD-202, Method 208

Polarity: As Marked on Body
Approx. Weight: 1.52 grams
Mounting Position: Any
Marking: Type Number

Maximum Ratings And Electrical Characteristics

(Ratings at 25 $^{\circ}$ C ambient temperature unless otherwise specified, Single phase, half wave 60Hz, resistive or inductive load. For capacitive load, derate by 20%)

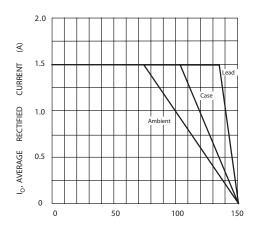
		Symbols	RS 101	RS 102	RS 103	RS 104	RS 105	RS 106	RS 107	Units
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		VRMM VRWM VR	50	100	200	400	600	800	1000	Volts
RMS Reverse Voltage		VR(RMS)	35	70	140	280	420	560	700	Volts
Average Rectified Output Current	@ Tc = 50 ℃	°C lo 1.0					Amps			
Non-Repetitive Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load per element (JEDEC method)		lfsm	50						Amps	
Forward Voltage (per element)	@ IF=1.0 A	VFM	1.0					Volts		
Peak Reverse Current at Rated DC Blocking Voltage	@ Tc=25℃	Irm	10.0						μА	
	@ Tc=100 ℃	IUM	1000							
Typical Junction Capacitance per Element (Note 2)		Cj	25						pF	
Typical Thermal Resistance (Note 1) R⊖JC		ROJC	38						°C/W	
I Charating and Storage Lemberature Range I		Tj Tstg	-55 to +150						°C	

Notes:

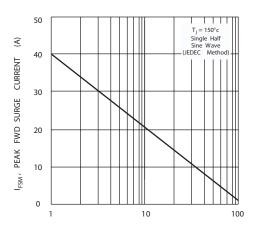
- (1) Thermal resistance from junction to case per element. Unit mounted on 75 x 75 x 16mm aluminum plate heat sink.
- (2) Measured at 1.0MHz and Applied Reverse Voltage of 4.0V DC.



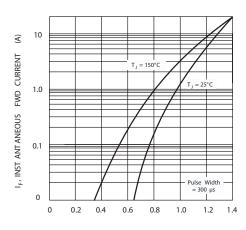
RATING AND CHARACTERISTIC CURVES RS101 THRU RS107



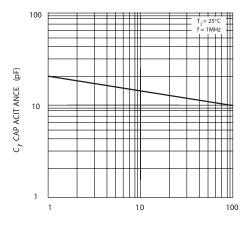
T, TEMPERA TURE (°C) Fig. 1 Forward Current Derating Curve



NUMBER OF CYCLES AT 60 Hz Fig. 3 Max Non-Repetitive Peak Fwd Surge Current



V_F, INST ANT ANEOUS FWD VOLTAGE (V) Fig. 2 Typical Fwd Characteristics



V_R, REVERSE VOLTAGE (V) Fig. 4 Typical Junction Capacitance

