

## **RS2AA thru RS2MA**

SURFACE MOUNT FAST RECOVERY GLASS PASSIVATED RECTIFIERS			REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 2.0 Amperes							
FEATURES ● Fast switching for high efficiency					SI	MA				
● Low cost										
<ul> <li>Diffused junction</li> </ul>			_					ł		
<ul> <li>Low reverse leakage current</li> </ul>			.062(1.60)					114(2.90)		
<ul> <li>Low forward voltage drop</li> </ul>			.055(1.40			+ I		.098(2.50)		
<ul> <li>High current capability</li> </ul>			-	┹_ └-				Ļ		
<ul> <li>The plastic material carries UL recognition 94\</li> </ul>	V-0					(4.60) (4.00)		<u> </u>		
			.103(2.0					<u>.012(.305)</u> .006(.152)		
			.079(2.)							
Case: Molded Plastic  Palarity Calar hand denotes actuade			.060(1.	52)	 	╞╴╋╹		08(.203)		
<ul> <li>Polarity:Color band denotes cathode</li> <li>Weight: 0.002 ounces,0.053 grams</li> </ul>			.030(0.		.208(	5.28)		000(.203)		
		I				4.80)				
				Dimensi	·		(millimete	ers)		
•Mounting position: Any <b>MAXIMUM RATINGS AND ELECTRI</b> Rating at 25°C ambient temperature unless other Single phase, half wave ,60Hz, resistive or induct	wise specified		ERISTI		·		(millimete	ers)		
•Mounting position: Any <b>MAXIMUM RATINGS AND ELECTRI</b> Rating at 25°C ambient temperature unless other Single phase, half wave ,60Hz, resistive or induct For capacitive load, derate current by 20%	wise specified	1.		cs	ons in inc	hes and	- -		UNI	
•Mounting position: Any <b>MAXIMUM RATINGS AND ELECTRI</b> Rating at 25°C ambient temperature unless other Single phase, half wave ,60Hz, resistive or induct	wise specified		RISTI RS2BA 100	cs	·		(millimete RS2KA 800	ers) RS2MA 1000	UNI	
• Mounting position: Any <b>MAXIMUM RATINGS AND ELECTRI</b> Rating at 25°C ambient temperature unless other Single phase, half wave ,60Hz, resistive or induct For capacitive load, derate current by 20% <u>CHARACTERISTICS</u> Maximum Recurrent Peak Reverse Voltage	wise specified tive load.	l. RS2AA	RS2BA	CS RS2DA	ons in inc	hes and	RS2KA	RS2MA	V	
Mounting position: Any  MAXIMUM RATINGS AND ELECTRI Rating at 25°C ambient temperature unless other Single phase, half wave ,60Hz, resistive or induct For capacitive load, derate current by 20%  CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage	tive load. SYMBOL	RS2AA 50	RS2BA 100	RS2DA 200	RS2GA 400	RS2JA	RS2KA 800	RS2MA 1000		
Mounting position: Any  MAXIMUM RATINGS AND ELECTRI Rating at 25°C ambient temperature unless other Single phase, half wave ,60Hz, resistive or induct For capacitive load, derate current by 20%  CHARACTERISTICS  Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum DC Blocking Voltage Rectified Current @TA=75 °C	Twise specified tive load. SYMBOL VRRM VRMS	RS2AA 50 35	RS2BA 100 70	RS2DA 200 140	RS2GA 400 280	RS2JA 600 420	RS2KA 800 560	RS2MA 1000 700	V V	
Mounting position: Any  MAXIMUM RATINGS AND ELECTRI Rating at 25°C ambient temperature unless other Single phase, half wave ,60Hz, resistive or induct For capacitive load, derate current by 20%  CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current @Ta=75 °C Peak Forward Surge Current 8.3ms Single Half Sine-Wave	tive load.           SYMBOL           VRRM           VRMS           VDC	RS2AA 50 35	RS2BA 100 70	RS2DA 200 140	RS2GA 400 280 400	RS2JA 600 420	RS2KA 800 560	RS2MA 1000 700	V V V	
Mounting position: Any  MAXIMUM RATINGS AND ELECTRI Rating at 25°C ambient temperature unless other Single phase, half wave ,60Hz, resistive or induct For capacitive load, derate current by 20%  CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current @Ta=75°C Peak Forward Surge Current 3.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	tive load. SYMBOL VRRM VRMS VDC I(AV)	RS2AA 50 35	RS2BA 100 70	RS2DA 200 140	RS2GA 400 280 400 2.0	RS2JA 600 420	RS2KA 800 560	RS2MA 1000 700	V V V A	
Mounting position: Any  MAXIMUM RATINGS AND ELECTRI Rating at 25°C ambient temperature unless other Single phase, half wave ,60Hz, resistive or induct For capacitive load, derate current by 20%  CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current @TA=75°C Peak Forward Surge Current	Twise specified tive load. SYMBOL VRRM VRMS VDC I(AV)	RS2AA 50 35	RS2BA 100 70	RS2DA 200 140	RS2GA 400 280 400 2.0 60	RS2JA 600 420	RS2KA 800 560	RS2MA 1000 700	V V A A V	
Mounting position: Any  MAXIMUM RATINGS AND ELECTRI Rating at 25°C ambient temperature unless other Single phase, half wave ,60Hz, resistive or induct For capacitive load, derate current by 20%  CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current a.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method) Peak Forward Voltage at 2.0A DC Maximum DC Reverse Current @TJ=25°C	wise specified tive load. SYMBOL VRRM VRMS VDC I(AV) IFSM VF	RS2AA 50 35	RS2BA 100 70 100	RS2DA 200 140	RS2GA 400 280 400 2.0 60 1.3 5.0	RS2JA 600 420	RS2KA 800 560 800	RS2MA 1000 700	V V V A	
Mounting position: Any  MAXIMUM RATINGS AND ELECTRI Rating at 25°C ambient temperature unless other Single phase, half wave ,60Hz, resistive or induct For capacitive load, derate current by 20%  CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current  Amount Content Content  Amount Content	wise specified tive load. SYMBOL VRRM VRMS VDC I(AV) IFSM VF IR	RS2AA 50 35	RS2BA 100 70 100	RS2DA 200 140 200	RS2GA 400 280 400 2.0 60 1.3 5.0 100	RS2JA 600 420 600	RS2KA 800 560 800	RS2MA 1000 700 1000	۷ ۷ ۹ ۹ ۹ ۷	
Mounting position: Any  MAXIMUM RATINGS AND ELECTRI Rating at 25°C ambient temperature unless other Single phase, half wave ,60Hz, resistive or induct For capacitive load, derate current by 20%  CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current 3.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method) Peak Forward Voltage at 2.0A DC Maximum DC Reverse Current @TJ=25°C at Rated DC Blocking Voltage @TJ=100°C Maximum Reverse Recovery Time(Note 1) Fypical Junction Capacitance (Note2)	tive load. SYMBOL VRRM VRMS VDC I(AV) IFSM VF IR Trr	RS2AA 50 35	RS2BA 100 70 100	RS2DA 200 140 200	RS2GA 400 280 400 2.0 60 1.3 5.0	RS2JA 600 420 600	RS2KA 800 560 800	RS2MA 1000 700 1000	V V A A V μA	
Mounting position: Any  MAXIMUM RATINGS AND ELECTRI Rating at 25°C ambient temperature unless other Single phase, half wave ,60Hz, resistive or induct For capacitive load, derate current by 20%  CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current 3.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method) Peak Forward Voltage at 2.0A DC Maximum DC Reverse Current @TJ=25°C at Rated DC Blocking Voltage @TJ=100°C	wise specified tive load. SYMBOL VRRM VRMS VDC I(AV) IFSM VF IR IR Trr CJ	RS2AA 50 35	RS2BA 100 70 100	RS2DA 200 140 200	RS2GA 400 280 400 2.0 60 1.3 5.0 100	RS2JA 600 420 600	RS2KA 800 560 800	RS2MA 1000 700 1000	V V Α Α ν μΑ ηS	

3. Thermal resistance junction to ambient.

## RATING AND CHARACTERTIC CURVES RS2AA thru RS2MA

