

RS2AW THRU RS2MW

PINNING

Surface Mount Fast Recovery Rectifiers

Reverse Voltage - 50 to 1000 V

Forward Current - 2 A

FEATURES

- For surface mounted applications
- Low profile package
- Glass Passivated Chip Junction
- Ideal for automated placement
- Fast reverse recovery time
- Lead free in comply with EU RoHS 2011/65/EU directives

MECHANICAL DATA

- Case: SOD-123FL

■ Terminals: Solderable per MIL-STD-750, Method 2026

Approx. Weight:15mg 0.00053oz
 Maximum Ratings and Electrical characteristics

Ratings at 25 $^{\circ}\text{C}$ ambient temperature unless otherwise specified.

Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

2	Anode					
1	2					
Marking	Top View Marking Code: RS2AW~RS2GW: 2F2 RS2JW: 2F5 RS2KW~RS2MW: 2F7 Simplified outline SOD-123FL and symbol					

DESCRIPTION

Cathode

			RS2DW	RS2GW	RS2JW	RS2KW	RS2MW	Units
V_{RRM}	50	100	200	400	600	800	1000	V
V_{RMS}	35	70	140	280	420	560	700	٧
V _{DC}	50	100	200	400	600	800	1000	٧
I _{F(AV)}	2						А	
I _{FSM}	50						А	
V _F	1.3						V	
I _R	5 100						μA	
t _{rr}	150 250 500				00	ns		
C _j	40						pF	
$R_{\scriptscriptstyle \theta JA}$	90					°C/W		
T_{j},T_{stg}	-55 ~ +150					°C		
	$\begin{array}{c} V_{\text{RMS}} \\ V_{\text{DC}} \\ \\ I_{\text{F(AV)}} \\ \\ I_{\text{FSM}} \\ \\ V_{\text{F}} \\ \\ I_{\text{R}} \\ \\ t_{\text{rr}} \\ \\ C_{j} \\ \\ R_{\text{BJA}} \\ \\ T_{j}, T_{\text{stg}} \\ \end{array}$	V _{RMS} 35 V _{DC} 50 I _{F(AV)} I _{FSM} V _F I _R t _{rr} C _j R _{θJA} T _j , T _{stg}	V _{RMS} 35 70 V _{DC} 50 100 I _{F(AV)} I _{FSM} V _F I _R t _{rr} 1 C _j R _{θJA} T _j , T _{stg}	VRMS 35 70 140 VDC 50 100 200 IFINA IFINA IFINA IFINA VF IFINA IFINA	VRMS 35 70 140 280 VDC 50 100 200 400 IFIGHT 2 IFIGHT 50 VF 1.3 IR 100 trr 150 Cj 40 Result 90 Tj, Tstg -55 ~ +15	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	V _{RMS} 35 70 140 280 420 560 V _{DC} 50 100 200 400 600 800 I _{F(AV)} 2 I _{FSM} 50 V _F 1.3 I _R 5 100 t _{rr} 150 250 5 C _j 40 R _{θJA} 90 T _j , T _{stg} -55 ~ +150	V _{RMS} 35 70 140 280 420 560 700 V _{DC} 50 100 200 400 600 800 1000 I _{F(AV)} 2 50 50 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 <

^{1)} Measured with IF = 0.5 A, IR = 1 A, Irr = 0.25 A.

SHIKE MAKE CONSCIOUS PRODUCT

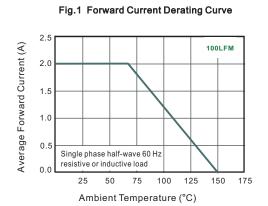
Conscious Products Begin With Conscious People

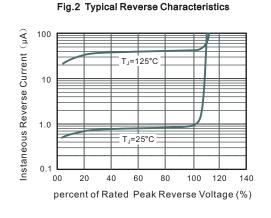


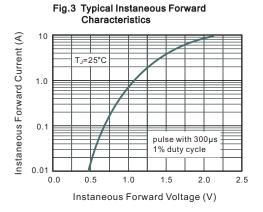
²⁾ P.C.B. mounted with 0.2 X 0.2" (5 X 5 mm) copper pad areas

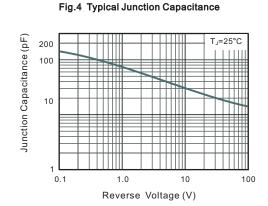


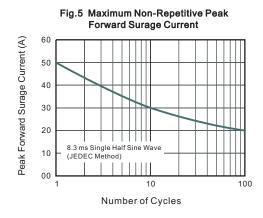
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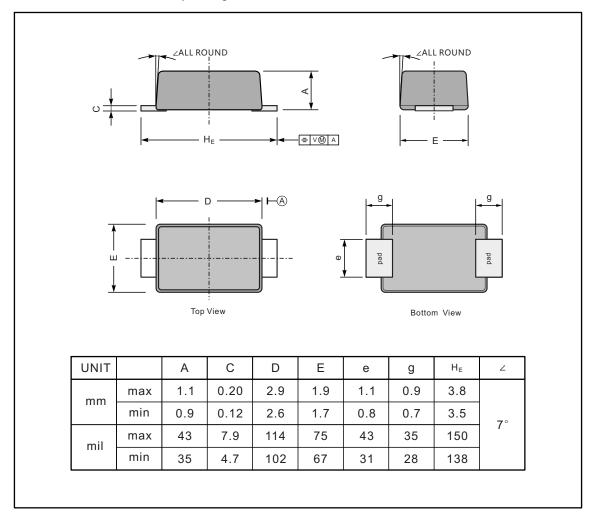


RS2AW THRU RS2MW

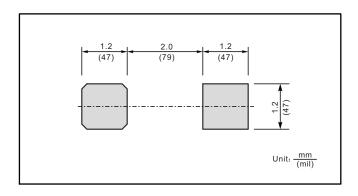
PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123FL



The recommended mounting pad size



Marking

Type number	Marking code			
RS2AW	- 2F2 -			
RS2BW				
RS2DW				
RS2GW				
RS2JW	2F5			
RS2KW	2F7			
RS2MW	267			

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