

RI-02SMDM Series Molded Dry Reed Switch



RI-02SMDM Series

The RI-02SMDM is a Single-pole, Single-throw (SPST) dry reed switch, having normally open contacts, and two magnetically actuated reeds.

The switch is of the double-ended type and may be actuated by an electromagnet, a permanent magnet or a combination of both.

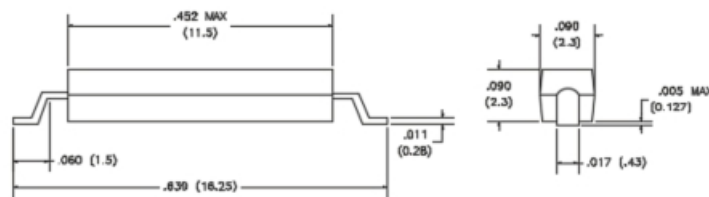
The RI-02SMDM is available in industry standard Gull wing lead configurations.

RI-02SMDM Series Features

- 10 Watt, 500 mA contact rating
- Ruthenium contacts for excellent life and reliability
- Industry standard SMD
- Tape & reel packaging

Dimensions for RI-02SMDM Series

All Dimensions in inches (mm) are nominal unless noted otherwise.



Technical Specifications

Parameters	Units	RI-02SMDM	
Operating Characteristics			
Operate Range	AT*	10-15	15-20
Release Range	AT*	2-13	4-18
Electrical Characteristics			
Switched Power (max)	W	10	
Switched Voltage DC (max)	V	200	
Switched Voltage AC, RMS value (max)	V	140	
Switched Current DC (max)	mA	500	
Switched Current AC, RMS value (max)	mA	500	
Carry Current DC (max)	mA	500	
Breakdown Voltage DC (min)	V	200	
Contact Resistance (initial max.)	mΩ	150	
Contact Resistance (initial typ.)	mΩ	120	
Insulation Resistance (min)	MΩ	10 ₆	
Environmental Ratings			
Storage Temperature	°C	-40 to +125	
Operating Temperature	°C	-40 to +125	
Vibration Resistance	G	10	
Shock Resistance	G	100	

NOTES: * AT values are based on full length, measured using Philips Standard Coil (PSC).

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ORDERING INFORMATION

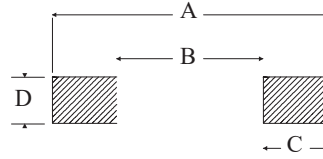
RI-02SMDM-XXXX-G1

Lead Configuration:
G1 for Gull Wing

AT Ranges
1015
1520

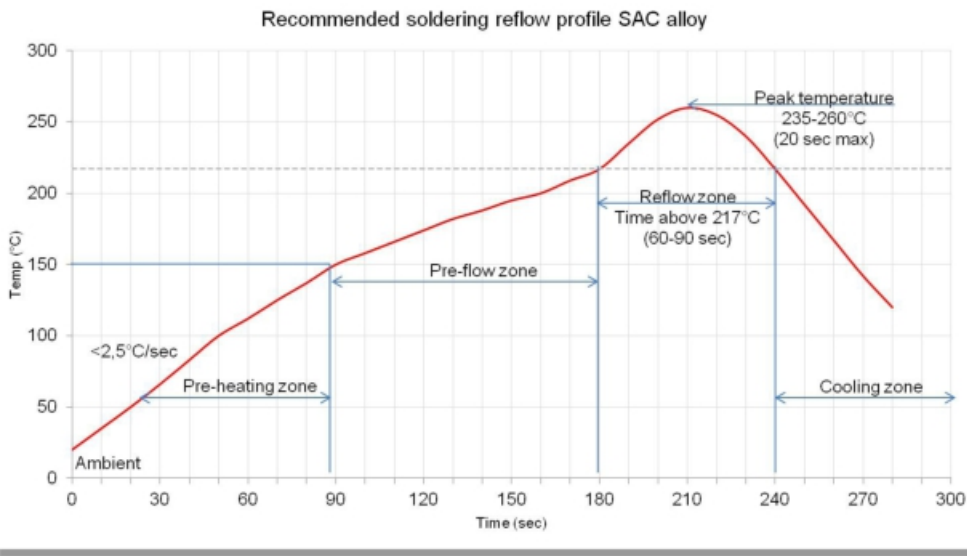
Series

Recommended PCB SMD Pad Layout



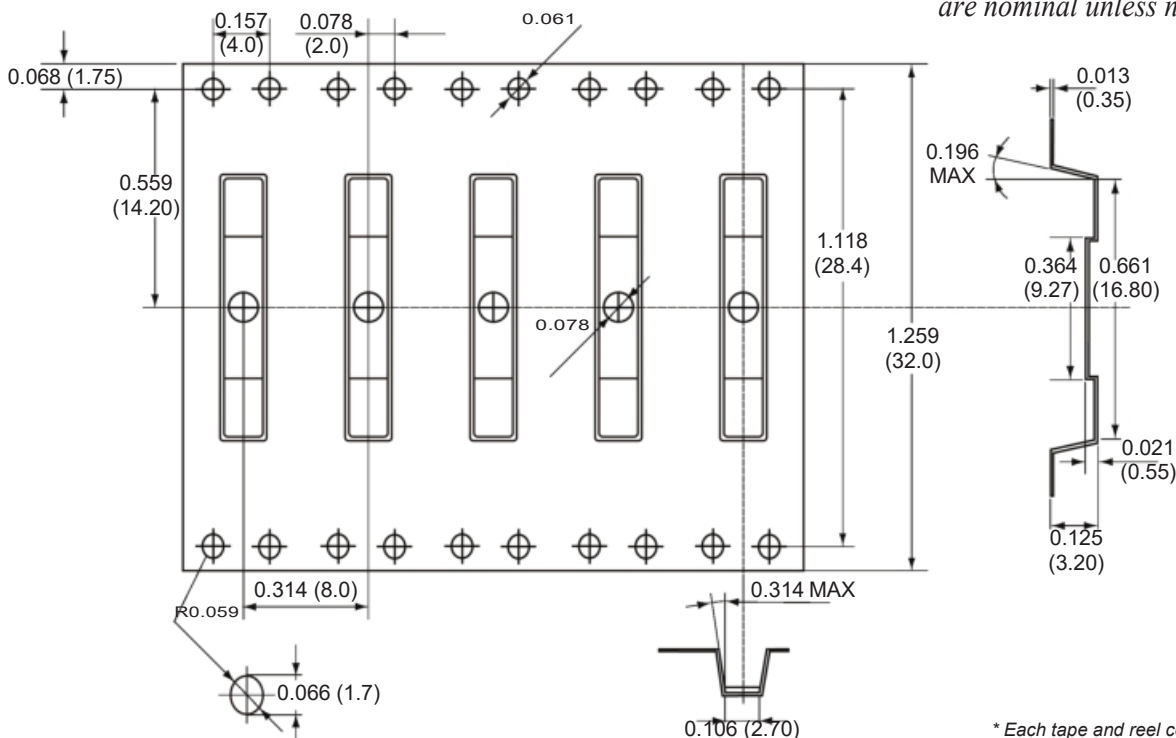
Recommended Pad Layout				
Lead Type	Dim. A	Dim. B	Dim. C	Dim. D
G1	.692 / 17.57	.520 / 13.20	.086 / 2.18	.041 / 1.04

Recommended Soldering Reflow Profile



Dimensions for RI-02SMDM Series Tape and Reel

All Dimensions in inches (mm) are nominal unless noted otherwise.



* Each tape and reel contains 2,500 pieces.