Click on the Part # to download the product data sheet (detailed drawing is on data sheet). Miniature								
Part# HSR-	<u>101</u>	<u>1015</u>	<u>V100</u>	<u>301</u>	<u>302</u>	<u>510</u>	<u>520</u>	<u>522</u>
PHYSICAL SPECIFICATIO	<b>DN</b>							
CONFIGURATION	SPST	SPST	SPST	SPDT	SPDT	SPDT	SPDT	SPDT
A-Nominal Overall Length	2.095	2.190	2.185	1.930	1.930	2.005	2.010	2.145
B-Maximum Glass Length	.780	.765	.800	.560	.580	.575	.595	.820
C-Maximum Glass Diameter	.091	.101	.110	.093	.120	.105	.125	.125
D-Nominal Lead Diameter	.023	.023	.023	.023	.023	.023	.023	.023
G-Gap Location	1.045	1.095	1.095	1.030	1.030	.910	.910	.910
Contact Material <sup>3</sup>	R	R	R	R	R	R	R	R
Figure	<u>A-1</u>	<u>A-1</u>	<u>A-1</u>	<u>C-1</u>	<u>C-1</u>	<u>C-2</u>	<u>C-2</u>	<u>C-2</u>
ELECTRICAL SPECIFICAT	TONS							
Maximum Switching								
VOLTS DC	200	200	500	120	120	120	120	120
VOLTS AC <sup>9</sup>	120	120	240					
Maximum Switching Current AMPS DC/AC	0.50	0.50	1.0	0.20	0.20	0.25	0.25	0.30
Maximum Switching Power WATTS DC/ AC	10	10	25	4	4	3	3	8
Minimum Voltage Breakdown VOLTS DC <sup>3</sup>	500	500	1750	200	200	400	400	150
Initial Contact Resistance OHMS	0.1	0.1	0.15	0.15	0.15	0.15	0.15	0.15
Minimum Insulation Resistance OHMS <sup>4</sup>	10 <sup>10</sup>	10 <sup>11</sup>	10 <sup>11</sup>	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>9</sup>	10 <sup>10</sup>
OPERATING SPECIFICATIONS								
Standard Pull-in Range AMPERE TURNS	10-45	10-45	15-40	15-40	15-40	15-45	15-45	10-50
Standard Test Coil NARM RS-421-A	П	П	П	П	П	П	П	П

Click on the Part # to download the product data sheet (detailed drawing is on data sheet).

Operating Time								
(Including Bounce)	0.7	0.7	1.1	1.4	0.75	1.30	1.0	1.10
MILLISECOND <sup>5</sup>								



# **ISO 9001 Registered**

Contact Form

Part Number

**HSR-1015R** 

А Switch Configuration Rev. E

SPST

## **Industry Standard SPST Reed Switch**

Features	Advantages
Hermetically sealed contacts	Extended operations in extreme environments
<ul> <li>Wide differential (Hysterisis)</li> </ul>	Not ESD sensitive
AC rating: 120/220 VAC	<ul> <li>Ideal for proximity sensors and reed relays</li> </ul>
Switch materials are Lead free and RoHS compliant	

#### **Electrical Specifications**

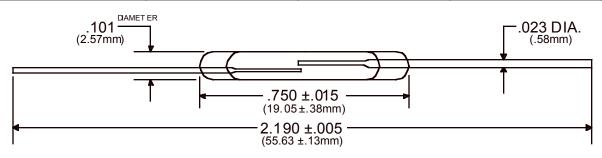
Power		Watts - maximum	10
Voltage	Switching	VDC - maximum	200
	Breakdown	VDC - minimum	500
Current	Switching	Amp - maximum	0.5
	Carry	Amp - maximum	3.2
Resistance	Initial Contact Resistance	Ohm - maximum	0.10
	Insulation Resistance	Ohm - minimum	1 E11
Capacitance	Contact	pF - typical	0.4
Temperature	Operating	°C	-40 to +125
	Storage	°C	-40 to +200

## **Magnetic Specifications**

Pull - In Range	Ampere Turns	10-45
Test Coil	NARM RS-421-A	Coil II

## **Physical/Operational Specifications**

Capsule Volume	Excluding Leads	CC - nominal	0.1
Contact Material			Rhodium
Operate Time	Including Bounce	mSeconds - maximum	0.70
Release Time	Including Bounce	mSeconds - maximum	0.30



Notes:

- Specifications are not constant across entire magnetic range.
- (1) (2) Customer must exercise care in handling, mounting, lead forming, and cutting to prevent damage to glass capsule and/or switch sensitivity.
- (3) (4) For information or custom configurations about performance, mounting options or packaging, contact our Sales department.
- Information contained hereon is for informational purposes only and should not be deemed as accurate for a specific application. Consult factory for specific application information and/or latest revision.