

Part Number HSR-190R Contact Form A Switch Configuration SPST Rev. G

### Standard Large Form A Switch

| Features   | Advantages   |
|--|--|
| <ul style="list-style-type: none"> <li>• Hermetically sealed contacts</li> <li>• Switch materials are lead free and RoHS compliant</li> <li>• UL Recognized component</li> </ul> | <ul style="list-style-type: none"> <li>• Extended operations in extreme environments</li> <li>• Not ESD sensitive</li> <li>• Excellent historical performance</li> </ul> |

### Electrical Specifications

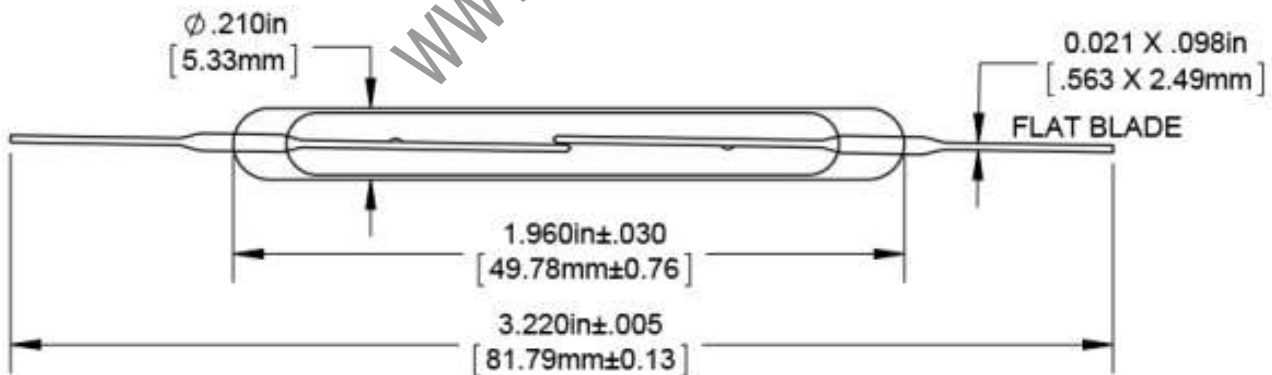
|             |                            |                 |             |
|-------------|----------------------------|-----------------|-------------|
| Power       |                            | Watts - maximum | 25          |
| Voltage     | Switching                  | VDC - maximum   | 250         |
|             | Breakdown                  | VDC - minimum   | 700         |
| Current     | Switching                  | Amp - maximum   | 1           |
|             | Carry                      | Amp - maximum   | 8           |
| Resistance  | Initial Contact Resistance | Ohm - maximum   | 0.1         |
|             | Insulation Resistance      | Ohm - minimum   | 1 E10       |
| Capacitance | Contact                    | pF - typical    | 1.1         |
| Temperature | Operating                  | °C              | -40 to +125 |
|             | Storage                    | °C              | -40 to +200 |

### Magnetic Specifications

|                 |  |               |         |
|-----------------|--|---------------|---------|
| Pull - In Range |  | Ampere Turns  | 40-80   |
| Test Coil       |  | NARM RS-421-A | Coil IV |

### Physical/Operational Specifications

|                  |                  |                    |         |
|------------------|------------------|--------------------|---------|
| Capsule Volume   | Excluding Leads  | CC - nominal       | 1.13    |
| Contact Material |                  |                    | Rhodium |
| Operate Time     | Including Bounce | mSeconds - maximum | 2.50    |
| Release Time     |                  | mSeconds - maximum | 2.00    |



#### Notes:

- (1) Specifications are not constant across entire magnetic range.
- (2) Customer must exercise care in handling, mounting, lead forming, and cutting to prevent damage to glass capsule and/or switch sensitivity.
- (3) For information or custom configurations about performance, mounting options or packaging, contact our Sales department.
- (4) 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.