

# HSS Shock Sensor Features and Benefits

## Features

- Magnetically operated reed switch
- High power switching option
- 4 sensitivity options
- Standard diagonistic pin
- Fully sealed unit

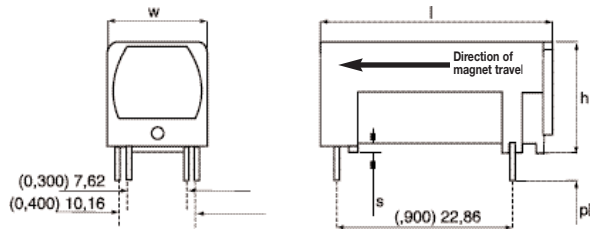
## Benefits

- Fit and forget reed switch reliability
- No standby power requirement
- Robust design suited to harsh environments
- No external reset required

## Applications

- Vibration sensing (white goods)
- Rough handling detection (packaging)
- Heavy brake warning
- Automotive (airbag sensor)

## DIMENSIONS (in) mm

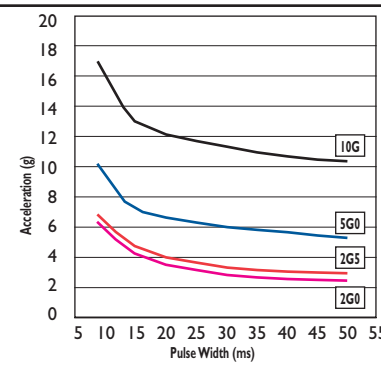



| Reference | Description | Dimension |
|---|---|---|
| l | Length | (1.190) 30.23 |
| w | Width | (.512) 13.00 |
| h | Height | (.567) 14.41 |
| pl | Pin Length | (.134) 3.40 |
| s | Stand Off | (.050) 1.28 |

## CUSTOMER OPTIONS - Sensitivity & Specification

| Type/Sensitivity | | | Response Times on 9G 15ms Pulse | | | Operating Characteristics | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Type | Static G (ref) | Static G Tol. | TTC | Dwell | Contact Resistance | Operating & Storage Temp | Switch Rating | Switching Voltage | Insulation Resistance | Response Curve Colour |
| HSS-2G0-10W | 2.0G | ±0.5G | <14ms | >32.5ms | 175 (mOhm) | -40°C to +85°C | 10W | 200 Vdc | >10MOhm@200V dc | |
| HSS-2G0-50W | 2.0G | ±0.5G | <14ms | >32.5ms | 175 (mOhm) | -40°C to +85°C | 50W | 200 Vdc | >10MOhm@200V dc | |
| HSS-2G5-10W | 2.5G | ±0.6G | <15ms | >32.5ms | 175 (mOhm) | -40°C to +85°C | 10W | 200 Vdc | >10MOhm@200V dc | |
| HSS-2G5-50W | 2.5G | ±0.6G | <15ms | >32.5ms | 175 (mOhm) | -40°C to +85°C | 50W | 200 Vdc | >10MOhm@200V dc | |
| HSS-5G0-10W | 5.0G | ±1G | <17ms | >32.5ms | 175 (mOhm) | -40°C to +85°C | 10W | 200 Vdc | >10MOhm@200V dc | |
| HSS-5G0-50W | 5.0G | ±1G | <17ms | >32.5ms | 175 (mOhm) | -40°C to +85°C | 50W | 200 Vdc | >10MOhm@200V dc | |
| HSS-10G-10W | 10G | ±2G | NA | >32.5ms | 175 (mOhm) | -40°C to +85°C | 10W | 200 Vdc | >10MOhm@200V dc | |
| HSS-10G-50W | 10G | ±2G | NA | >32.5ms | 175 (mOhm) | -40°C to +85°C | 50W | 200 Vdc | >10MOhm@200V dc | |

Nominal Response Curves




## HSS PCB LAYOUT (Bottom View)

**L**

Single Pin Connections Front with Diagnostic Rear Pin



## ORDERING INFORMATION

HSS – 2G0 – 50W – L

- Series [HSS]
- Sensitivity [2G0, 2G5, 5G0, 10G]
- Switch [10W, 50W]
- Pin-Out [L]

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