



HSR-916W-V8K

High Voltage Reed Switch

Electrical Characteristics

@ 25°C

| | | |
|-----------------------------------|--------|------------------|
| Contact form | | A |
| Contact material | | W* |
| Contact rating max. | W / VA | 100 |
| Switching voltage max. | VDC | 6500 |
| | VAC | 4500 |
| Switching current max. | A | 3 |
| Carry current max. | A | 4 |
| Holdoff min. | VDC | 8000 |
| Breakdown voltage typ.. | VDC | 10000 |
| Contact resistance max. (initial) | mΩ | 150 |
| Insulation resistance min. | Ω | 10 ¹⁰ |

Magnetical Characteristics (of unmodified Reed Switch)

@ 25°C

| | | |
|--------------------------|------|----------|
| Pull in range | AT | 80 - 110 |
| Drop out min | AT | 20 |
| Test coil | TC | 093 |
| Test equipment tolerance | ± AT | 3 |

Operating Characteristics

@ 25°C

| | | |
|----------------------------------|----|-----|
| Switching frequency max. | Hz | 50 |
| Resonant frequency typ. | Hz | 300 |
| Operate time max. (incl. bounce) | ms | 2.5 |
| Release time max. | ms | 1.5 |

Environmental Characteristics

| | | |
|------------------------|----|-------------|
| Operating temperature | °C | -60 to +150 |
| Vibration (50-2000 Hz) | g | 30 |
| Shock (1/2 sin 11 ms) | g | 100 |

Life Expectancy

| Resistive load | Voltage | Current | Operations |
|----------------|----------|---------|------------|
| | 24VDC | 2 A | 1x10E5 |
| | 5000 VDC | 0.01 A | 1x10E5 |

* Minimum load for contact material W: 3 Watts!

Dimensions in mm

