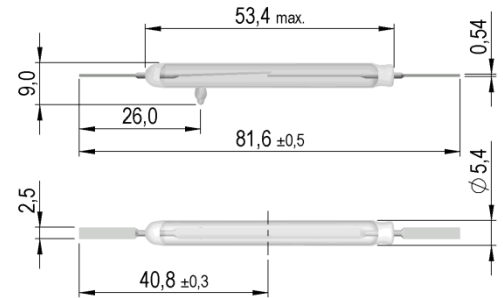


KSK-1A83 Reed Switches



- Features: High Power / Voltage / Current, Flat Lead Design
- Applications: Relay, Pump Switch, Generator
- Markets: Test and Measurement, Safety, Food Service & Others

Part Description: **K S K - 1 A 8 3 X X X X**

| Contact QTY | Contact Form | Switch Model | Pull-In Excitation (AT-Range) |
|-------------|--------------|--------------|----------------------------------|
| 1 | A (SPST-NO) | 83 | 100 - 150 |

| Contact Data | Unit | |
|--|------------------|------|
| Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s | 50 | W |
| Switching Voltage (max.) DC or peak AC | 7,500 | V |
| Switching Current (max.) DC or peak AC | 3.0 | A |
| Carry Current (max.) DC or peak AC | 5.0 | A |
| Contact Resistance (max.) @ 0.5V & 10mA | 100 | mOhm |
| Breakdown Voltage (min.) DC or peak AC | 10,000 | V |
| Operating Time (max.) Incl. Bounce; Measured with 40% Overdrive | 3.2 | ms |
| Release Time (max.) Measured with no Coil Excitation | 1.5 | ms |
| Test Coil | KMS-04 | |
| Insulation Resistance (min.) RH < 45%, 100 V Test Voltage | 10 ¹⁰ | Ohm |
| Capacitance (typ.) @ 10kHz across open Switch | 1.0 | pF |

Series Datasheet – KSK-1A83 Reed Switches

www.andiantech.com

| Dimensions (mm) | |
|-----------------------|------------|
| Overall Length (max.) | 81.6 |
| Glass Length (max.) | 53.4 |
| Glass Dia (max.) | 5.4 |
| Lead Dia. (max.) | 2.5 x 0.54 |

| Environmental Data | | Unit |
|--|------------|------|
| Shock Resistance (max.) 1/2 sine wave duration 11ms | 50 | g |
| Vibration Resistance (max.) | 20 | g |
| Operating Temperature | -20 to 130 | °C |
| Storage Temperature | -55 to 130 | °C |
| Soldering Temperature (max.) 5 sec. max. | 260 | °C |

KSK-1A83 Reed Switch

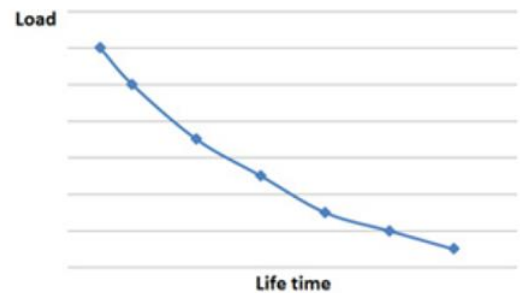


Handing & Assembly Instructions

- Use proper lead clamping or heat sinking techniques to prevent mechanical and/or heat stress to the glass seal during bending, cutting, soldering, and welding
- Mechanical shock as the result of dropping the reed switch typically from a distance of greater than 12" may change it's magnetic sensitivity and/or destroy the switch
- Any form of modification to the switch leads will alter it's magnetic sensitivity
- Series resistor recommended for >5m cable length

Life Test Data

*Load increase reduces life expectancy of Reed Switches



Glossary Contact Form

| | | |
|--------|--|---|
| Form A | NO = Normally Open Contacts SPST = Single Pole Single Throw |  |
| Form B | NC = Normally Closed Contacts SPST = Single Pole Single Throw |  |
| Form C | Changeover SPDT = Single Pole Double Throw |  |

