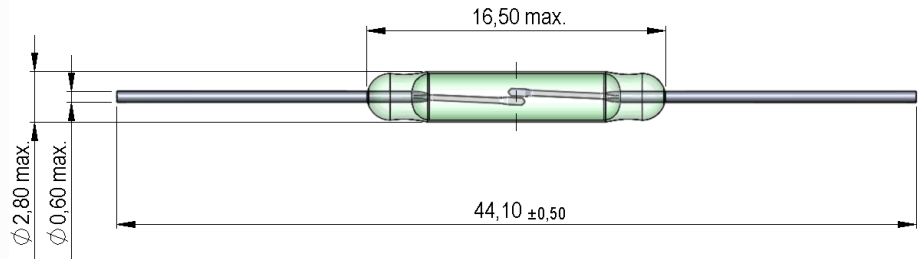


# KSK-1A82 Reed Switches



- Features: High Power, High Current
- Applications: Battery, Motor, Lamp, Relay & Others
- Markets: Test & Measurement, Automotive, Medical & Others

Part Description: **K S K - 1 A 8 2 X X X X**

Contact QTY	Contact Form	Switch Model	Pull-In Excitation (AT-Range)
1	A (SPST-NO)	82	20 - 45

Contact Data	Unit	
<b>Rated Power (max.)</b> Any DC combination of V&A not to exceed their individual max.'s	120	W
<b>Switching Voltage (max.)</b> DC or peak AC	150	V
<b>Switching Current (max.)</b> DC or peak AC	2.0	A
<b>Carry Current (max.)</b> DC or peak AC	5.0	A
<b>Contact Resistance (max.)</b> @ 0.5V & 10mA	150	mOhm
<b>Breakdown Voltage (min.)</b> DC or peak AC	200	V
<b>Operating Time (max.)</b> Incl. Bounce; Measured with 40% Overdrive	0.5	ms
<b>Release Time (max.)</b> Measured with no Coil Excitation	0.05	ms
<b>Test Coil</b>	KMS-01	
<b>Insulation Resistance (min.)</b> RH < 45%, 100 V Test Voltage	10 <sup>9</sup>	Ohm
<b>Capacitance (typ.)</b> @ 10kHz across open Switch	0.3	pF

Series Datasheet – KSK-1A82 Reed Switches

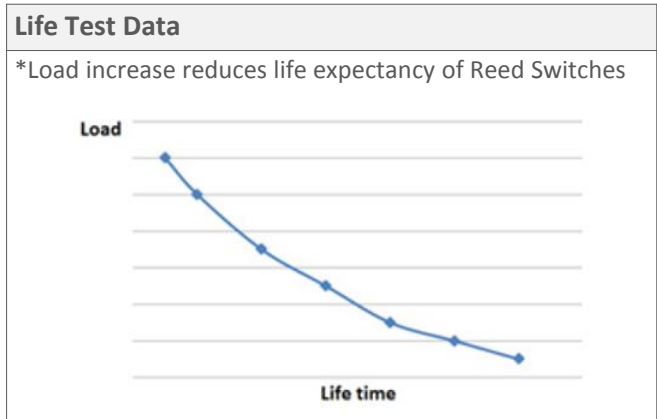
www.andiantech.com

Dimensions (mm)	
Overall Length (max.)	44.1
Glass Length (max.)	16.5
Glass Dia (max.)	2.8
Lead Dia. (max.)	0.6

Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	g
Vibration Resistance (max.)	20	g
Operating Temperature	-40 to 130	°C
Storage Temperature	-55 to 130	°C
Soldering Temperature (max.) 5 sec. max.	260	°C



Handling & Assembly Instructions	
➤	Fixing of the leads before modification (bending, cutting, soldering) recommended to prevent tensions on the glass body
➤	Mechanical shock impacts (drop down) may change the sensitivity or destroy the Switch
➤	Sensitivity changes due to modification
➤	Mechanical stress needs to get prevented
➤	Series resistor recommended for >5m cable length



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	

