

MEC PRODUCT SPECIFICATION

MAGNETISM COMPONENT

MTS560G REED SWITCH

MOBICON HOLDINGS LTD.		
Drawn	Sign.	Approved
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www.mobicon.com

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GERMANY

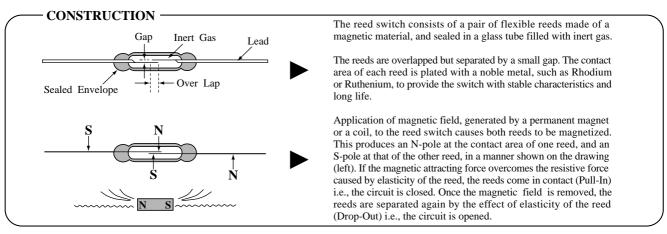
MTS560G REED SWITCH

Commercial grade miniature Reed Switch for cost sensitive Applications such as **Toys** and **Games**.

PHYSICAL CHARACTERISTICS (mm) DIMENSIONS Glass Diameter 2.5 (max.) Glass Length 15.5 (max.) Ø0.6 0.6 (typ.) Lead Diameter **Overall Length** 45.0 (max.) Ø2.5 15.5 45 max. **Glass Appearence : Green Transparent** ELECTRICAL CHARACTERISTICS Contact Arrangement SPST Form A Centre gap. Contact Material Noble Metal 10 VA (1) Power Rating Switching Current 0.5 Add 0.5 AAC max. Carrying Current 0.5 Add 0.5 AAC max. Switching Voltage 100 VDC 75 VAC - RMS max. (2) Breakdown Voltage 200 VDC (3) Contact Resistance $500 \text{ m}\Omega$ max. **Insulation Resistance** $10^{9}\Omega$ min. **Contact Capacitance** 0.7 pF max. **OPERATING** CHARACTERISTICS **Operate Time including Bounce** 1.0 ms (typ.) **Release** Time 0.4 ms (typ.) **Resonant Frequency** 5.3 kHz (typ.) Vibration 10 - 2,000 Hz 30 G max. Shock - 11ms, 1/2 Sine Wave 100 G max. -40 °C ~ +125 °C **Operating Temperature** Storage Temperature -50 °C ~ +155 °C 10 AT ~ 35 AT Pull-In Range 5 ATDrop-Out 100 Hz max. Switching Frequency NOTES: (1) The specification for VA Rating may be exceeded for less sensitive (high AT) switches, and should be decreased for very sensitive (low AT) switches. Specific life testing for a particular load will be run upon request. (2) Breakdown voltage is measured in the presence of a radioactive ionizing source with switch leakage current limited to 100 microamperes. Ø 3.6 TEST COIL : NUMBER OF TURNS : 5,000 RESISTANCE OF COILS : 870Ω **BIN COOE : 214** 19.2 mm

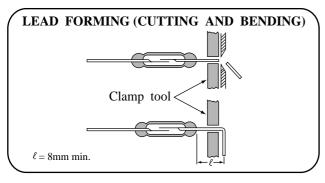


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FEATURES

Compact and Light The reed switch can be mounted in a very limited space ; it is ideal for use in miniaturized equipment.	
Hermetically Sealed The switching elements of the reed switch are hermetically sealed in an inert gas atmosphere, so that they are never exposed to the external environment.	
Long Life	
High Speed Operation Every movable element has a very low mass resulting in a high speed of operation. This enables the reed switch to be used as an interface to a transistor or integrated circuit.	



-CONTACT MATERIAL -

Rhodium

Rhodium plated contacts are most popular. They have very stable characteristics and long life when switching low level to heavy loads. This is due to Rhodium's high melting point and high hardness.

Ruthenium

Ruthenium's hardness is even greater than that of Rhodium. Ruthenium contacts have better mechanical wear and heat dissipation characteristics, yet only when switching low Loads.

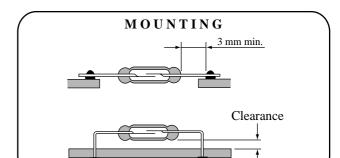
General application switches

Switching power rating of 10 watt. Applications are wide including switching signal loads, driving electromechanical relays, etc.

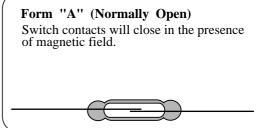
High inrush current switches

May be used for switching in candescent lamp or capacitive loads without external current limiting resistors.





- CONTACT FORM -



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REVIEW OF SPECIFICATIONS

1) When something get doubtful with this specifications, we shall jointly work to get an agreement.

2) This specification limits the quality of the components as a single unit. Please insure the component is thoroughly evaluated in your application circuit.

3) Please do not use this component in any application that deviates from its intended use as noted within the specification. It may cause any mishaps.

4) Please return one of this specification after your signature of acceptance. In case of no return within 3 months from submission date. This specification should be treated as accepted.

When using our products, the following precautions should be taken.

 Safety designing of apparatus or a system allowing for failures of electronic components used in the system

In general, failures will occur in electronic components at a certain probability. MOBICON HOLDINGS LTD makes every effort to improve the quality and reliability of electronic component products. However, it is impossible to completely eliminate the probability of failures. Therefore, when using MOBICON HOLDINGS LTD electronic component products, systems should be carefully designed to ensure redundancy in the event of an accident which would result in injury or death, fire, or social damage, to ensure the prevention of the spread of fire, and the prevention of faulty operation.

- (2) Quality Level of various kinds of parts, and equipment in which the parts can be utilized Electronic components have a standard quality level unless otherwise specified.
- (3) This specifications is subject to change without notice. The contents of this specifications are based on data which is correct as of 2002, and they may be changed without notice. If our products are used for mass-production design, please enquire consult with a member of our company's sales staff by way of precaution.
- Reprinting and copying of this specifications without prior written permission from MOBICON HOLDINGS LTD are not permitted.
- (5) Industrial Property Problems

In the event any problems associated with industrial property of a third party arising as a result of the use of our products. MOBICON HOLDINGS LTD assumes no responsibility for problems other than problems directly associated with the constitution and manufacturing method of the products.



Prepared By: Leo Wong DOC. No: Review of Spec