



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

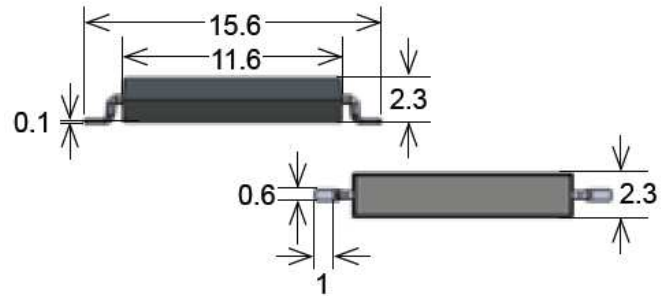
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MK16 Series Reed Sensors



- Features: Supplied in Tape & Reel, Axial or Gull-Wing Lead, Excellent for Low Power Operations
- Applications: On/Off Control Switch, Position Detection, Switching Element in Microphones & Others
- Markets: Appliance, Telecommunication, Security, Medical & Others

Part Description: **MK 16-0-X**

Magnetic Sensitivity	Lead Design
B, C, D, E	1, 2

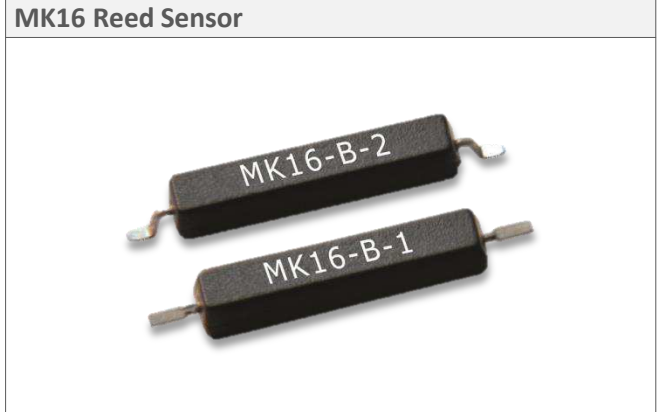
Customer Options	Switch Model	Unit
Contact Data	87	
Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s	10	W
Switching Voltage (max.) DC or peak AC	200	V
Switching Current (max.) DC or peak AC	0.4	A
Carry Current (max.) DC or peak AC	0.5	A
Contact Resistance (max.) @ 0.5V & 50mA	150	mOhm
Breakdown Voltage (min.) According to EN60255-5	0.23	kVDC
Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage	0.6	ms
Release Time (max.) Measured with no Coil Excitation	0.05	ms
Insulation Resistance (typ.) Rh<45%, 100V Test Voltage	10 ⁹	GOhm
Capacitance (typ.) @ 10kHz across open Switch	0.2	pF

Housing and Lead Specifications	
Housing Material	Mineral Filled Epoxy
Case Color	Black
Lead design 1	Flat, straight leads for PCB slot mounting
Lead design 2	Flat, bent SMD leads

Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	30	g
Vibration Resistance (max.)	20	g
Operating Temperature	-40 to 130	°C
Storage Temperature	-50 to 130	°C
Soldering Temperature (max.) 5 sec. max.	260	°C

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	

Glossary Magnetic Sensitivity							
Sens.	A	B	C	D	E	F	G
AT	05-10	10-15	15-20	20-25	25-30	30-35	35-40



Handling & Assembly Instructions

- Use proper lead clamping or heat sinking techniques to prevent mechanical and/or heat stress during, soldering, and welding
- Mechanical shock as the result of dropping the reed sensor typically from a distance of greater than 12" may change it's magnetic sensitivity and/or destroy the sensor

