



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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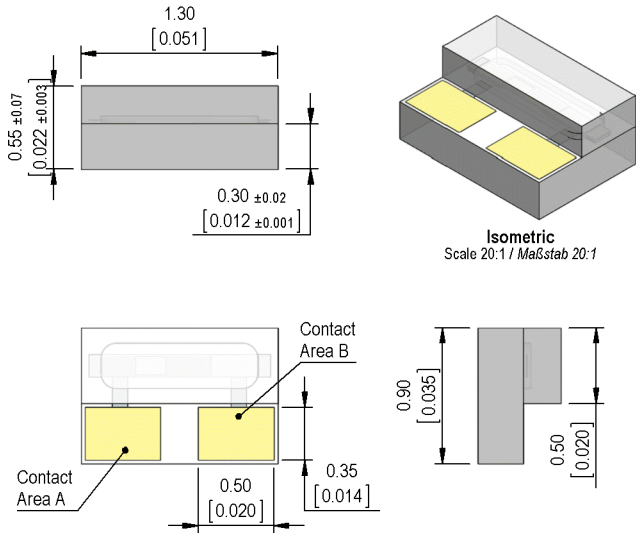
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Dimensions mm [inches]

Tolerances acc. to DIN ISO 2768-m
 Toleranzen gem. DIN ISO 2768-m



Warning: This device is especially designed for low voltage and low power sensing! The following points must be respected when the device is connected in a circuit:

- Voltage spikes (electrostatic or otherwise) across the terminals in the open mode are limited to 10 V.
- Switched voltages and current are limited to the maximum ratings.
- The parallel capacitance added across the switch is less than 100 pF.
- Minimize stray capacitance to be less than 100 pF in any lead circuit.
- The mounting and test equipment are properly grounded, as they may induce voltage spikes across the terminals.
- All handling is performed on a conductive mat and the operator is also grounded through a wrist contact bracelet.
- Permanent sticking or damage of the contacts may result whenever any of the above warnings are not respected.

Magnetic properties	Conditions	Min	Typ	Max	Unit
Pull-In in milliTesla (modified conta	MS150 - phys. caused tolerance +/- 0,1mT	2.2		5.25	mT
Drop-Out in milliTesla (modified co	MS150 - phys. caused tolerance +/- 0,1mT	1.76		4.73	mT
Hysteresis (Reference value)	Reed switch unmodified measured in coil- "define operation"	0.6		0.9	
Test equipment		MS-150			

Contact Data	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			0.3	mW
Switching voltage		0.5		3	VDC
Switching current	DC or Peak AC			100	µA
Carry current	DC or Peak AC			100	µA
Contact resistance static	Measured with 40% overdrive Start Value		50	1,000	Ohm
Insulation resistance	RH <45 %, 30 V test voltage	1			GOhm
Breakdown voltage	according to IEC 255-5	50			VDC
Operate time incl. bounce	measured with 40% overdrive			0.2	ms
Release time				0.1	ms
Capacity	@ 10 kHz across open switch			0.3	pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Life Expectancy	Under 1.5V and 15µA	1,000,000			cycles
Remarks		Contact pads: 0.05µm Cr + 0.4µm Au			

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			5,000	g
Vibration	from 10 - 2000 Hz			30	g
Operating temperature		-20		100	°C
Storage temperature		-55		150	°C
Soldering Temperature Tsold	3.5 sec. at			260	°C

Modifications in the sense of technical progress are reserved