



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

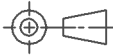
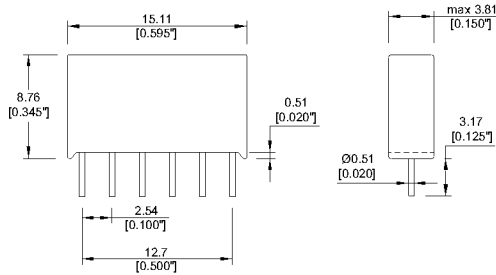
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

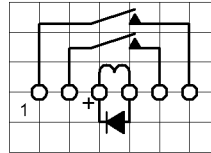


DIMENSIONS (mm)

Unspecified Tolerances +/- 0.127mm


LAYOUT 78D

Pitch 2.54mm [0.100"] / Top View


MARKING

Top View

 MEDER ww/yy
 1 MS05-2A87-78D

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		338	375	413	Ohm
Coil voltage			5		VDC
Rated power			67		mW
Pull-In voltage				3,75	VDC
Drop-Out voltage		0,5			VDC

Contact data 87	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching voltage	DC or Peak AC			200	V
Switching current	DC or Peak AC			0,5	A
Carry current	DC or Peak AC			1	A
Contact resistance static	Measured with 40% overdrive Start Value			150	mOhm
Contact resistance dynamic	Maximum value 1,5 ms after excitation Start Value			200	mOhm
Insulation resistance	RH <45 %, 100V - to all points	1			TOhm
Breakdown voltage	according to IEC 255-5	230			VDC
Operate time incl. bounce	measured with nominal voltage			0,5	ms
Release time	measured with no diode suppression			0,1	ms
Capacitance	@ 10 kHz		0,2		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Isolation voltage Coil/Contact	according to IEC 255-5	1,5			kV DC
Connection pins				FeNi-alloy tin plated	
Magnetic Shielding				Internal mu-metal shield	
Remarks					

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-20		70	°C
Storage temperature		-20		95	°C
Soldering temperature	max. 5 sec			260	°C
Washability				fully sealed	