

MagnaMouse™ Specifications

Mechanical	PCB Application	Film Base Application
Thickness (T)	0.145" / 3.7mm	0.086" / 2.2mm
Size	1" / 26mm Square (Custom Available)	1" / 26mm Square (Custom Available)
Backlighting	Available	Available
ESD/EM/RFI Protection	Available	Available
Magnetic Material	Bonded Ferrite	Bonded Ferrite
External Magnetic Field	No Effect	No Effect
Mounting	Various Means Available	Various Means Available
Armature Material	Soft Steel -1008/1010 with Electronickel & Tin Plating	Soft Steel - 1008/1010 w ith Electronickel & Tin Plating
Life	1 Million Actuations	1 Million Actuations
Sw itch Travel	0.012" / 0.3mm	0.012" / 0.3mm
Contact Bounce	1ms Typical	1ms Typical

Electrical		
Operating Voltage	3 to 50 VDC	3 to 30 VDC
Current	50mA Max	20mA Max
Power	1.5 Watts (Higher Contact Rating is Available)	0.6 Watts (Higher Contact Rating is Available)
Dielectric Withstand Voltage	500 VAC	250 VAC
Sw itch Resistance	Less Than 2 Ohms	Less than 100 Ohms
Capacitance Betw een Traces	25pf Max	40pf Max

Environmental		
Operation & Storage Temp.	-40°C to 85° C	-40°C to 85° C
Mechanical Shock	No Closures at 100 g's	No Closures at 100 g's
Altitude	No Closures During 5 Cycles from Sea Level to 12K ft.	No Closures During 5 Cycles from Sea Level to 12K ft.
Thermal Shock	-40°C to 85° C	-40°C to 85° C



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