



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



LP150 series

Low profile trackball

Distinctive features and specifications



- 1.5" ball diameter
- Panel mount design
- Available in black or backlit illumination
- Several protocol options
- Additional button strips available
- Environmental Protection Classification (IP Rating): contact factory

MECHANICAL	
• Ball Diameter:	1.50" (38.10mm)
• Ball Rotation:	Continuous in all directions
• Tracking Force:	10g (0.35oz)
• Weight:	118.5.5g (4.18oz)
• Life Cycle (ball rotations):	5 million
• Operating Temperature:	-40°C to +85°C (-40°F to +185°F)

CONFIGURATION OPTIONS
• LED backlighting: Red, Blue, Green or Clear through a translucent Thermostat resin ball
• Additional pushbutton switch: Two, three or four* buttons (* USB only) – see Button Strips
• Connector cables
• Conformally coated PCB

PROTOCOL OPTIONS AND ELECTRICAL SPECIFICATIONS	
• USB:	Input: 4.00V – 5.25V @ 25mA max (+30mA for backlit illumination option) Output: USB 1.1
• PS/2 (2/3BTN PS/2):	Input: 5.00V @ 25mA max (+30mA for backlit illumination option) Output: CMOS/TTL
• Microsoft Serial*:	Input: DTR/RTS @ 14 mA max (+30mA for backlit illumination option) Output: RS-232, Serial
• Quadrature:	Input: 5.00V @ 30mA max (+30mA for backlit illumination option) Output: Quadrature Waveforms
• Sun Workstation: (Mouse Systems Serial)	Input: 5.00V @ 30mA max (+30mA for backlit illumination option) Output: CMOS/TTL

MOUNTING OPTIONS
• 180° horizontal to 90° vertical – please specify when ordering.

NOTE: * = Microsoft Serial Interface requires a 5V supply for the LED backlighting option.
All values are nominal.

SERIES	MODEL	PROTOCOL FORMAT	MOUNTING POSITION	RESOLUTION	POWER REQUIREMENT	ILLUMINATION
LP	150 1.50" Diameter (38.1mm)	1 Microsoft (2 btn Serial) 3 PS/2 (2/3 btn) 5 Quadrature 6 SUN Workstations 7 USB	F - Level to 45° N - Level to 90° X - N/A	10 - 120 resolution 20 - 240 resolution 30 - 480 resolution	V00 5V Regulated R00 RS-232* (DTR & RTS)	R Red B Blue G Green C Clear Black*

*Microsoft Protocol only *Non-illuminated

