



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



Magnetic Floats



- The MS magnetic float products are comprised of buoyant materials containing a built-in magnet (s) and are used in conjunction with our LS Level Sensor series. Choose from various styles, dimensions and buoyant materials such as Polyamide (PA), Polypropylene (PP), Nitrile Butadiene Rubber (NBR) and Stainless Steel (V2A) depending on your application.

Part-Description: **MS - 00 - XXX**

Series	Options
01, 02, 03, 04, 06, 07, 08, 09, 10	NBR, PA, PP, S

Series	Material	Outside Dia.	Inside Dia.	Height	Use with Sensor
MS01-NBR	NBR	24.5	8.0	19.0	LS01, LS02, LS02-S, LS04, LS05
MS02-NBR	NBR	25.0	9.15	16.5	
MS01-PA	PA	23.5	8.5	19.0	
MS02-PA	PA	25.0	9.15	16.55	
MS07-PA	PA	36.0	16.15	19.0	All Reed Switches
MS01-PP	PP	23.5	8.4	19.0	LS01, LS02, LS02-S, LS04, LS05
MS02-PP	PP	25.2	9.15	16.55	
MS03-PP	PP	27.0	11.0	11.7	
MS04-PP	PP	18.5	10.2	20.0	
MS08-PP	PP	20.0	9.15	16.0	
MS06-PP	PP	30.0	8.0	8.0	All Reed Sensors
MS09-S	V2A	24.0	9.5	24.0	LS02-S, LS05
MS10-S	V2A	38.3	9.5	26.3	

* All Dimensions in mm

Glossary Material		
PP	Polypropylene	<ul style="list-style-type: none"> • Water absorption Only 0.1% water absorption gives PP Floats excellent buoyancy • Resistance Resistant to many chemical solvents, bases and acids • Many applications Excellent choice for water-level sensors, automotive applications (e.g. brake fluid reservoirs) and manufacturing and plant equipment applications
PA	Polyamide	<ul style="list-style-type: none"> • Resistance for many chemicals Ideal solution in fuel tanks, oil containers and many more • Very high strength-to-weight ratio Shock and abrasion resistant as well as capable of enduring a 5 bar pressure (73 PSI or 0.5 Mpa)
NBR	Nitrile Butadiene Rubber	<ul style="list-style-type: none"> • Acceptable for high and low temperature applications Under certain conditions temperature resistance up to 120°C, stable as low as -40°C • Resistance to Oil and Fuels Minimal absorption of gasoline, benzene, alcohol and toluene (consult engineering for details) • Mechanical Strength Floats are ebonite (very strong hard rubber) suitable for insertion of metals or magnets within the NBR • Pressure Resistance Stable buoyancy is achieved with specific gravities up to 0.3kg/cm³, and negligible water absorption with pressures up to 3 Mpa (30 bar) • Almost no dimensional change Minimal dimensional effects particularly when measuring Cp's and Cpk's
S	Stainless Steel	<ul style="list-style-type: none"> • High Temperatures Resistant for high temperatures (>160°C), making them an ideal float switch magnet for fluid level sensing in the Food and Beverage Industry • Pressure Resistance Stainless Steel Floats have a hollow buoyant structure combined with their strengths makes them an excellent choice for use in high pressure tanks • Magnet fully contained within the float Actuator magnet is contained within the float therefore fully protected from the liquid material

Suitability of Materials			
Conditions	NBR	Plastic Foam	Stainless Steel
Cut and Break	+	0	+
Temperature Resistance	0	0	+
Resistance to Fuels, Oil	+	+	0
Shock Resistance	+	0	0
Metal Inserts	+	0	+
Magnet Inserts	+	+	+
Water Pressure Resistance	0	+	0
Anti-Corrosion	+	+	0
Price Range	+	+	0
Food Applications	-	+	+
Drinking Water	-	+	+

+ = Ideal 0 = Suitable - = Not Suitable