



Revolutionizing Power Efficiency in Modern Applications

Micropower Switch and Latch Sensors

Allegro's Micropower Magnetic Hall switch and latch sensors are at the forefront of innovation, transforming the design of battery-powered and energy-conscious applications. With a focus on maximizing battery life, our range of cutting-edge sensors offer minimal power consumption, an extensive magnetic operating range and superior jitter performance. Developed to withstand the toughest environments, they ensure reliable and robust performance.

► Low Power

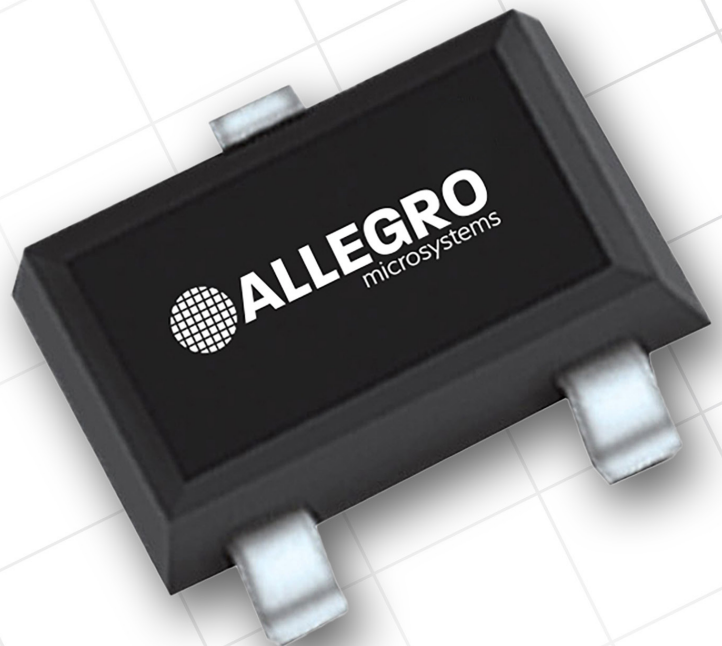
Industry-leading current consumption with a typical sleep current as low as 3.1 μA ensures ultra-low average current consumption, making these products ideal for battery-powered applications.

► Design Flexibility

Wide magnetic thresholds from <math><10\text{ G}</math> to 400 G allow greater flexibility in mechanical tolerances and sensor placement, enabling cost-effective solutions with smaller magnets.

► Lower Solution Cost

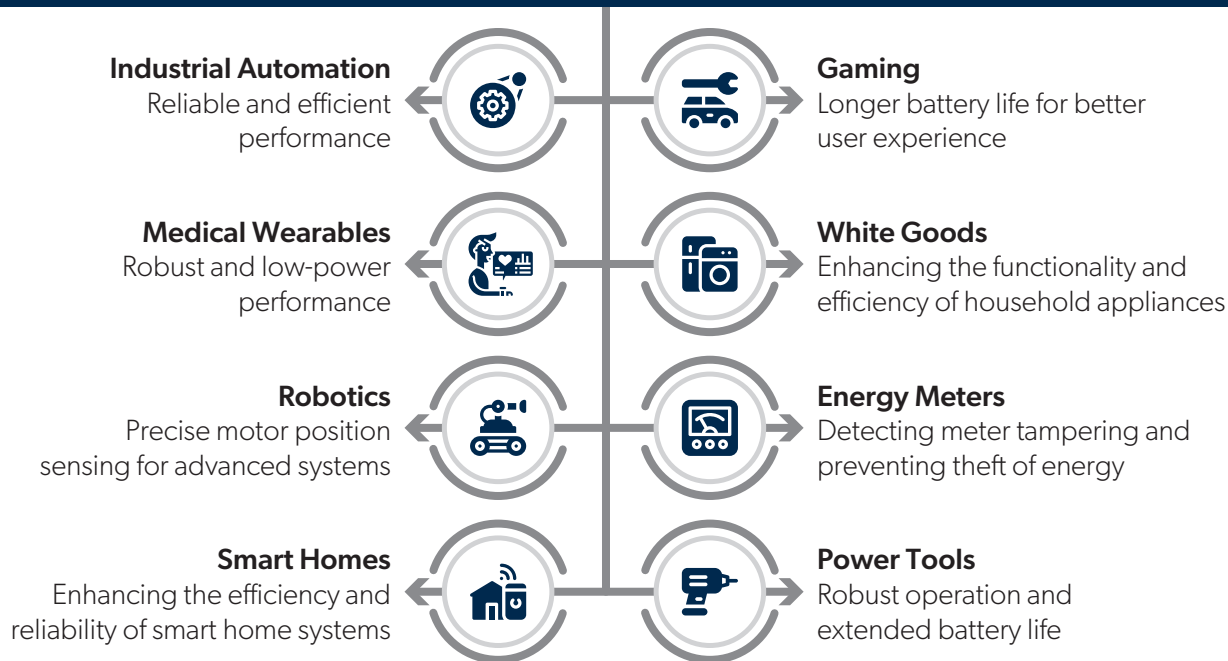
Latest technology and industry standard packaging optimize system costs.



Powering Tomorrow's Innovations

Micropower Solutions for Every Industry

Our Micropower switch and latch sensors are ideal for Industrial, Consumer and Medical applications where battery life and power consumption are a priority.



APS11753 Low Voltage Micropower Switch

Orderable Part Number	Package	Sleep Time (ms)	Average Supply Current (μ A)	Typ. Switch Point Magnitude B_{OP} (G)/ B_{RP} (G)		Operating Temperature
APS11753LMDAIX-3PL5	3-pin SOT23	48	4.4	30	20	-40 to 150 C
APS11753LMDAIX-1PL5		48	4.4	15	10	
APS11753LMDAIX-9PL5		48	4.4	400	335	
APS11753LMDAIX-3PL1		1.5	56	30	20	
APS11753KMDAIX-3PL5		48	4.4	30	20	-40 to 125 C
APS11753KMDAIX-1PL5		48	4.4	15	10	
APS11753KMDAIX-9PL5		48	4.4	400	335	
APS11753KMDAIX-3PL1		1.5	56	30	20	

APS12753 Low Voltage Micropower Latch

Orderable Part Number	Package	Sleep Time (ms)	Average Supply Current (μ A)	Typ. Latch Point Magnitude B_{OP} (G)/ B_{RP} (G)		Operating Temperature
APS12753LMDALX-OSL1	3-pin SOT23	1.5	56	10	-10	-40 to 150 C
APS12753LMDALX-2SL5		48	4.4	20	-20	
APS12753KMDALX-OSL1		1.5	56	10	-10	-40 to 125 C
APS12753KMDALX-2SL5		48	4.4	20	-20	

