

# Sharp-Socle Distance Sensor Selection

Manufacturer	Category	Part Number	Output Type	Package Type	Distance (cm)																							
					0.5	1	1.5	2	4	5	10	15	20	24	30	40	50	70	80	100	120	150	200	300	550			
SHARP	DMS	<a href="#">GP2Y0A02YK0F</a>	Analog	Standard										20									150					
SHARP	DMS	<a href="#">GP2Y0A21YK0F</a>	Analog	Standard							10								80									
SHARP	DMS	<a href="#">GP2Y0A41SK0F</a>	Analog	Standard					4							30												
SHARP	DMS	<a href="#">GP2Y0A51SK0F</a>	Analog	Standard				2				15																
SHARP	DMS	<a href="#">GP2Y0AF15X</a>	Analog	Compact, connector			1.5					15																
SHARP	DMS	<a href="#">GP2Y0D02YK0F</a>	Digital 1-bit	Standard															80									
SHARP	DMS	<a href="#">GP2Y0D21YK0F</a>	Digital 1-bit	Standard										24														
SHARP	DMS	<a href="#">GP2Y0E02A</a>	Analog	Compact, CMOS					4								50											
SHARP	DMS	<a href="#">GP2Y0E02B</a>	Digital I2C	Compact, CMOS					4								50											
SHARP	DMS	<a href="#">GP2Y0E03</a>	Analog, Digital I2C	Compact, CMOS					4								50											
SHARP	DMS	<a href="#">GP2Y0A60SZLF</a>	Analog	Compact							10											150						
SHARP	DMS	<a href="#">GP2Y0A710K0F</a>	Analog	Standard																100					550			
SHARP	TOF	<a href="#">GP2AP01VT10F</a>	I2C	Very Compact							10	Gray card - 17%				40												
										10	White card - 88% reflectance										120							
SOCLE / FXN	TOF	<a href="#">MTOF171000C0</a>	UART	Compact				2	Gray card								70											
								2	White card												120							
SHARP	TOF	<a href="#">GP2AP02VT00F</a>	I2C	Very Compact						5	Gray card - 17% reflectance												120					
SHARP	TOF	GP2AP03VT00F	I2C	Very Compact	0.5						10																	
SOCLE / FXN	Ultrasonic	<a href="#">SUD01A</a>	I2C	Module, Connector							10													300				
SOCLE / FXN	Ultrasonic	<a href="#">SUD02</a>	I2C	Module, Connector							10													300				

Socle Technology Corp. (Foxconn) is the official supplier of Sharp optoelectronics and sensors in North America, China and Taiwan.  
Authorized distributors of Sharp optoelectronics components include Digi-Key, Future, Mouser and WPG Americas.