



Distance Measuring Sensors (1)

◆ Digital output

(Ta = 25 °C)

Model No.	Features	Absolute maximum ratings		Electro-optical characteristics*1					
		Vcc (V)	Topr (°C)	Detected distance (cm)	Distance measuring range (cm)	VOH (V) MIN.	VOL (V) MAX.	Dissipation current	
								Operating (mA)	Standby (μA)
GP2Y0D805Z0F	Light detector, infrared LED and signal processing circuit, short distance measuring type, battery drive compatible (operating power supply: 2.7 to 6.2 V)	-0.3 to +7	-10 to +60	5	-	Vcc -0.6	0.6	MAX. 6.5	MAX. 8
GP2Y0D810Z0F	Light detector, infrared LED and signal processing circuit, short distance measuring type, battery drive compatible (operating power supply: 2.7 to 6.2 V)	-0.3 to +7	-10 to +60	10	-	Vcc -0.6	0.6	MAX. 6.5	MAX. 8
GP2Y0D810Z1F	Light detector, infrared LED and signal processing circuit, short distance measuring type, battery drive compatible (operating power supply: 2.7 to 6.2 V)	-0.3 to +7	-40 to +85	10	-	Vcc -0.6	0.6	TYP. 5	MAX. 8
GP2Y5D91S00F	Light detector, infrared LED and signal processing circuit, short distance measuring type, battery drive compatible (operating power supply: 2.7 to 6.2 V), capable of operation at high temperature	-0.3 to +7	-30 to +105	1.5	-	Vcc -0.6	0.6	TYP. 7	-
GP2Y0D310K	Digital voltage output according to the measured distance of GP2Y0D340K	-0.3 to +7	-10 to +60	10	-	Vcc -0.3	0.6	MAX. 35	-
GP2Y0D340K	Compact, thin type (15 x 9.6 x 8.7 mm: sensor part), Light detector, infrared LED and signal processing circuit, digital voltage output according to the measured distance	-0.3 to +7	-10 to +60	40	-	Vcc -0.3	0.6	MAX. 35	-
GP2Y0D21YK0F	Distance measuring sensor united with PSD*, infrared LED and signal processing circuit, digital voltage output	-0.3 to +7	-10 to +60	24	10 to 80	Vcc -0.3	0.6	MAX. 40	-
GP2D150AJ00F	Distance measuring sensor united with PSD*, infrared LED and signal processing circuit, digital voltage output	-0.3 to +7	-10 to +60	15	4 to 30	Vcc -0.3	0.6	MAX. 50	-
GP2Y0D413K0F	Distance measuring sensor united with PSD*, infrared LED and signal processing circuit, digital voltage output	-0.3 to +7	-10 to +60	13	4 to 30	Vcc -0.3	0.6	-	-
GP2Y0D02YK0F	Distance measuring sensor united with PSD*, infrared LED and signal processing circuit, long distance measuring type (No external control signal required), digital voltage output according to the measured distance	-0.3 to +7	-10 to +60	80	20 to 150	Vcc -0.3	0.6	MAX. 50	-

*1 Vcc = 5 V

* PSD: Position Sensitive Detector

Notice

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