

OPTICAL SYSTEM DEVICE



■ DUST SENSOR UNIT

(Ta=25°C)

Model No.	Features	Electro-optical characteristics					
		Topr (°C)	Operating supply voltage(V)	Dissipation current (mA)	Detection sensitivity V/(0.1 mg/m ³)	Output voltage at no dust Voc (V)	Output voltage range V _{OH} (V)
GP2U05	High sensitivity Built-in infrared emitting diode, photodiode and signal processing circuit	-10 to +65	10.2 to 13.8	TYP. 20	TYP. 1	TYP. 1	MIN. V _{CC} -1.8
GP2U06	High sensitivity Built-in infrared emitting diode, photodiode and signal processing circuit	-10 to +65	4.5 to 5.5	TYP. 15	TYP. 0.5	MAX. 1	MIN. 3.2

■ COLOR TONER CONCENTRATION (DEPOSITION AMOUNT) SENSOR

(Ta=25°C)

Model No.	Features	Topr (°C)	Electro-optical characteristics		
			Dissipation current (mA)	Output voltage V _{O1} (V)	Output voltage V _{O2} (V)
GP2TC1	Employs diffuse reflection system, high-precision detection of toner concentration on photo-sensitive drum, 2-line analog output	0 to +60	TYP. 4* ¹	TYP. 1.06* ²	TYP. 2.63* ²
GP2TC2	Employs diffuse reflection system + mirror reflection system, high-precision detection of toner concentration on transfer belt, 2-line analog output	0 to +60	TYP. 4	TYP. 1.17* ²	TYP. 2.81* ²

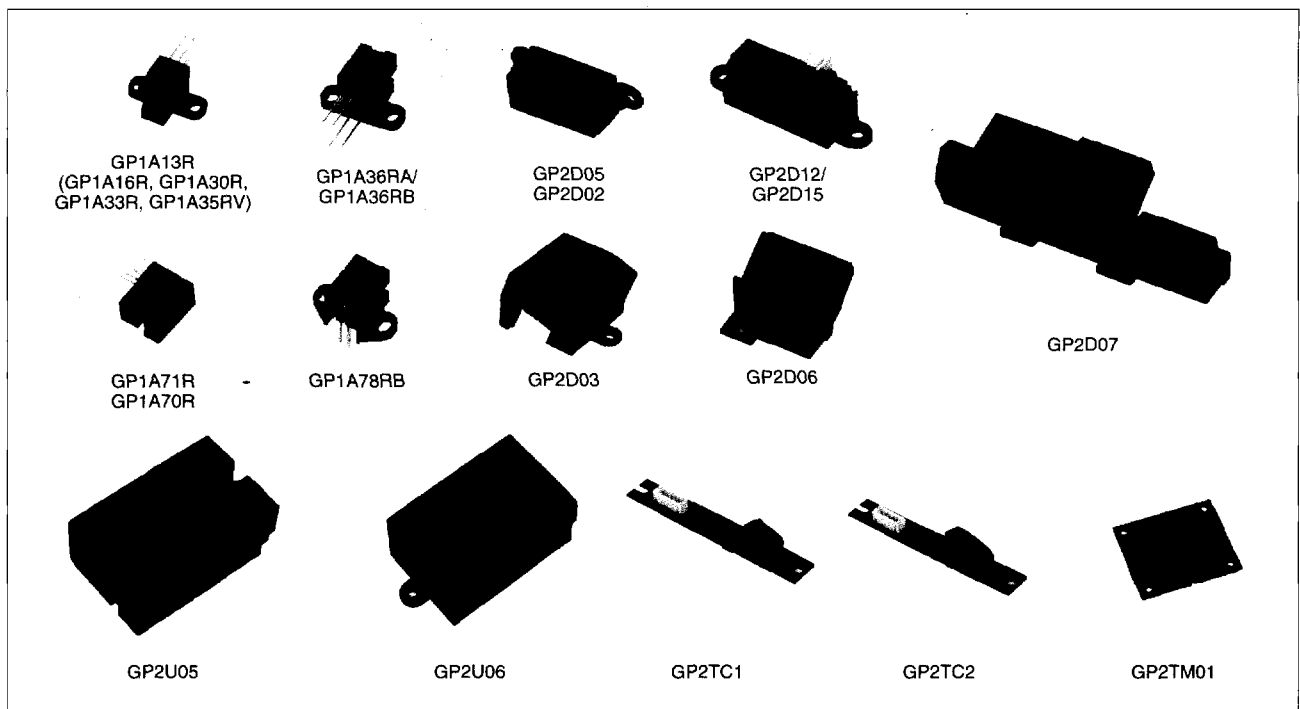
*1: Current consumption with LED drive current of I_F=0 mA

*2: With reflection object A (Reflectance: 15.6%)

■ OPTICAL POINTING DEVICE

(Ta=25°C)

Model No.	Features	Electro-optical characteristics			
		Topr (°C)	Operating supply voltage(V)	Dissipation current (mA)	Output type
GP2TM01	Easy operation & high reliability by the non-contact optical system	0 to +50	4.5 to 5.5	TYP. 8	PS/2 mouse format



Internet address for Electronic Components Group
<http://www.sharp.co.jp/ecg/>

Notice

In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in equipment using any SHARP devices shown in catalogs, data books, etc. Contact SHARP in order to obtain the latest device specification sheets before using any SHARP device.