

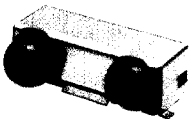
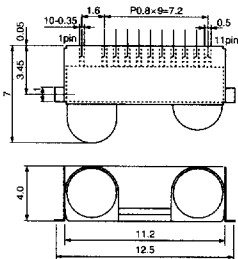
IrDA TRANSCEIVER MODULE

Stanley's Opto-wireless transceiver module is compatible with IrDA standard which includes all of the devices necessary for wireless transmission, such as infrared LED, PIN photodiode, driver, amplifier, and wave shape rectifier. And it is achieved in substantial less size and decrease in power consumption as compared with ordinary module.

■ IrDA-FIR Module (IrDA Ver1.1)

Supported Data Rates : 9.6k~4Mbps Operating Distance : 0~1m


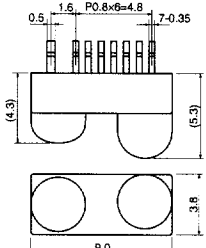
Unit : mm


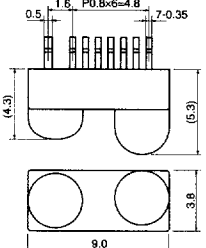
 H4.0×W11.2×D7.0mm	Part No.	Parameter	Characteristics	Unit	
	HRM230S	Operating Voltage	3.0~5.5	V	
		Current Consumption	3.4TYP(3.3V)	mA	
		Current Consumption in standby Mode	1MAX	μA	
		Peak LED Current	400	mA	
		Operating Temperature	-10~+70	°C	
		Mount Package Option	SMD Side View		

■ IrDA-SIR Module (IrDA Ver1.0)

Supported Data Rates : 2.4k~115.2kbps Operating Distance : 0~1m

Unit : mm


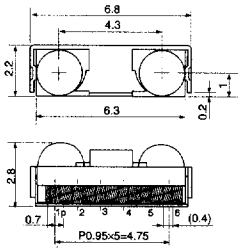
 H3.8×W9.0×D7.3mm	Part No.	Parameter	Characteristics	Unit	
	HRM130S	Operating Voltage	2.7~5.5	V	
		Current Consumption	0.75TYP(3.3V)	mA	
		Current Consumption in standby Mode	1MAX	μA	
		Peak LED Current	150	mA	
		Operating Temperature	-10~+70	°C	
		Mount Package Option	SMD Side View		

 H3.8×W9.0×D7.3mm	Part No.	Parameter	Characteristics	Unit	
	HRM130ST	Operating Voltage	2.7~5.5	V	
		Current Consumption	0.75TYP(3.3V)	mA	
		Current Consumption in standby Mode	1MAX	μA	
		Peak LED Current	150	mA	
		Operating Temperature	-30~+85	°C	
		Mount Package Option	SMD Side View		

■ IrDA-Low Power Option Module (IrDA Ver1.2 Low Power Option)

Supported Data Rates : 2.4k~115.2kbps Operating Distance : 0~30cm

Unit : mm

 H2.2×W6.8×D2.8mm	Part No.	Parameter	Characteristics	Unit	
	HRM1200L	Operating Voltage	2.7~3.6	V	
		Current Consumption	95TYP(3.3V)	μA	
		Current Consumption in standby Mode	0.2MAX	μA	
		Peak LED Current	35	mA	
		Operating Temperature	-30~+85	°C	
		Mount Package Option	SMD Side View		