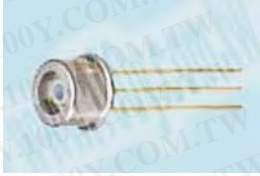




光接收二極體



Features

- Flat response characteristics up to high frequency bands
- Frequency flatness: -0.5 dB Max. (VR=2V, $\lambda=830\text{nm}$, $f=100\text{MHz}$)
- High-speed response
S9.55: 1.5GHz(VR=2V, -3dB)
S9055-01: 2 GHz(VR=2V, -3dB)
- Low capacitance
S9055: 0.8pF(Vr=2V)
S9055-01: 0.5pF(Vr=2V)
- Highly reliable package: 3-pin TO-18 package

Applications

- Optical fiber communications
- High-speed measurement system
- Optical inter-connection

HAMAMATSU

Part No.	Product No.	製造廠商	說明	$\lambda\text{P}(\text{nm})$	Vr	Package	重量
56800	S9055	HAMAMATSU	濱松_光接收二極體	700nm	20V	3-pin TO-18 package	0.3g

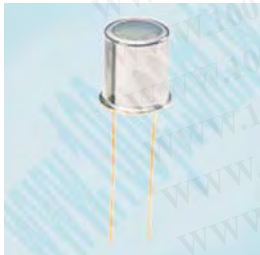


Features

- Spectral response close to human eye sensitivity is attained without using visual-compensated filter
- Operation just as easy to use as a photodiode
- Large output current equivalent to phototransistors
- Lower output-current fluctuations
- Excellent linearity
- Low output fluctuations for light sources producing the same illuminance at different color temperature

HAMAMATSU

Part No.	Product No.	製造廠商	說明	$\lambda\text{P}(\text{nm})$	Vr	Package
56056	S9066-111	HAMAMATSU	濱松_光接收二極體	560nm	5V	Plastic
56057	S9067-101	HAMAMATSU	濱松_光接收二極體	560nm	5V	Plastic



Features

- Accurate visible-compensated filter is used
- High reliable metal package
- S9219: Metal package with BNC connector (active area: $\Phi 11.3\text{mm}$)
- S9219-01: TO-5(active area: $3.6 \times 3.6\text{mm}$)

Applications

- Photometry
- Luxmeter, etc.

HAMAMATSU

Part No.	Product No.	製造廠商	說明	$\lambda\text{P}(\text{nm})$	Vr	Package
58681	S9219-01	HAMAMATSU	濱松_Si photodiode	550nm	Vcc:±5V	TO-5 / $3.6 \times 3.6\text{mm}$



Features

- Spectral response close to human eye sensitivity is attained without using visual-compensated filter
- Operation just as easy to use as a photodiode
- Lower output-current fluctuations compared with phototransistors and CdS photoconductive cells
- Excellent linearity
- Low output fluctuations for light sources producing the same illuminance at different color temperatures

HAMAMATSU

Part No.	Product No.	製造廠商	說明	$\lambda\text{P}(\text{nm})$	Vr	Package
55345	S9648-100	HAMAMATSU	濱松_PHOTO IC DIODE	560nm	-0.5~12V	Plastic package shaped the same as metal package



Features

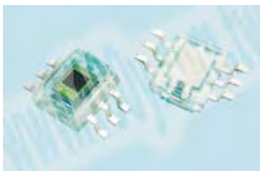
- 3-channel(RGB)Si photodiode
- Surface-mount small plastic package
- Spectral response range close to the human eye sensitivity
- No sensitivity in the near IR region

Applications

- Portable or mobile equipment
- RGB-LCD backlight monitors
- Detectors for various light sources
- Color detection

HAMAMATSU

Part No.	Product No.	製造廠商	說明	$\lambda\text{P}(\text{nm})$	Vr	Package
55343	S9702	HAMAMATSU	濱松_RGB Color Sensor	Blue:460,Green:540,Red:620(nm)	10V	Surface-mount small plastic package



Features

- 12-bit digital output
- Simultaneous measurement of RGB three colors
- 2-step sensitivity switching(sensitivity ratio of 1:9)
- Low voltage (3.3V) operation
- CMOS monolithic photo IC
- No external components required

Applications

- Display color adjustment
- Various applications involving color detection

HAMAMATSU

Part No.	Product No.	製造廠商	說明	$\lambda\text{P}(\text{nm})$	Vr	Package
55346	S9706	HAMAMATSU	濱松_Digital color sensor	Blue:465,Green:540,Red:615(nm)	-0.3~6V	Plastic



Features

- Surface-mount package with high reliability equivalent to metal package(No dark current increase after high temperature/humidity testing at 85°C, 85% for 1000 hours)
- Small, thin package: 3.5x4.0mm

HAMAMATSU

Part No.	Product No.	製造廠商	說明	$\lambda\text{P}(\text{nm})$	Vr	Package
55394	S9717-02	HAMAMATSU	濱松_Si APD(雪崩光電二極管)	800nm	150 V	SMD Ceramic
55395	S9717-05K	HAMAMATSU	濱松_Si APD(雪崩光電二極管)	800nm	150 V	SMD Ceramic

