



紅外線發射二極體

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APPLICATIONS

- Laser rader
- Range finder
- Excitation light source
- Optical trigger
- Security barrier

FEATURES

- High output power(Fep 30W)
- High speed rise time(tr=0.5 ns typ.)

HAMAMATSU

Part No.	Product No.	製造廠商	說明	Package	Vf@If(mA)	λP(nm)	If max.	Vr max.
58607	L7060-02	HAMAMATSU	濱松_紅外線 LED	Metal(TO-46)	7V@30A	870nm	35A	2V



FEATURES

- Peak wavelength: 650nm
- High reliability
- High output
- Designed to be used with S8046 or S7141-10

Applications

High-speed data transmission even under poor environmental conditions with high noise

HAMAMATSU

Part No.	Product No.	製造廠商	說明	Package	Vf@If(mA)	λP(nm)	If max.	Vr max.
27132	L8045	HAMAMATSU	濱松_RED LED for optical link	Plastic/with lens	1.9V/20mA	650nm	40mA	5V



FEATURES

- High reliability liquid-phase epitaxially grown GaAlAs
- 880nm peak emission for optimum matching with ODD-45W photodiode
- Wide range of linear power output
- Hermetically sealed TO-46 package
- Narrow angle for long distance applications

Part No.	Product No.	說明	Package	λP(nm)	If max.	Vr max.
32488	OD-880F	OPTO Diode_紅外線發射二極體	TO-46	880	100mA	0



- Narrow irradiance pattern
- Mechanically and spectrally matched to the Op505 and Op535 series devices
- variety of power ranges
- Small package size for space limited applicaions



Part No.	Product No.	製造廠商	說明	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
32541	OP165A	OPTEK	紅外線發射二極體	T-1	0.5mW	1.6V/100mA	935	18	50mA	2V
36281	OP165B	OPTEK	紅外線發射二極體	T-1	0.5mW	1.6V/100mA	935	18	50mA	2V
36282	OP165C	OPTEK	紅外線發射二極體	T-1	0.5mW	1.6V/100mA	935	18	50mA	2V
36284	OP165D	OPTEK	紅外線發射二極體	T-1	0.5mW	1.6V/100mA	935	18	50mA	2V



- T-1(3mm) package style
- Choice of narrow or wide irradiance pattern
- Choice of dome lens or flat lens
- Mechanically and spectrally matched to other OPTEK devices
- Higher power output than GaAs at equivalent drive current



Part No.	Product No.	製造廠商	說明	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
40932	OP166A	OPTEK	紅外線發射二極體	T-1 3/4	100mW	20mA	935nm	18deg	20mA	2V



OP232



OP232W

- Focused and non-focused optical light pattern
- Enhanced temperature range
- TO-46 hermetically sealed package
- Mechanically and spectrally matched to other OPTEK devices
- Choice of power ranges
- Choice of narrow or wide irradiance pattern

Applications

- Non-contact reflective object sensor
- Assembly line automation
- Machine automation
- Machine safety
- End of travel sensor
- Door sensor



Part No.	Product No.	製造廠商	說明	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
36469	OP232	OPTEK	紅外線發射二極體	TO-46	200mW	2.0@100mA	890nm	±18deg	5A	5V
36470	OP232W	OPTEK	紅外線發射二極體	TO-46	200mW	2.0@100mA	890nm	±50deg	100mA	2V



- Narrow irradiance pattern
- Mechanically and spectrally matched to the Op505, Op535 series devices
- Significantly higher power output than GaAs at equivalent drive currents
- Wavelength matched to silicon's peak response
- T-1 package style



Part No.	Product No.	製造廠商	說明	Package	Po (mW)	λP(nm)	Δθ(deg)	If max.	Vr max.
36428	OP265A	OPTEK	紅外線發射二極體	T-1	100mW	890nm	±18 deg	50mA	2V
36429	OP265B	OPTEK	紅外線發射二極體	T-1	100mW	890nm	±18 deg	50mA	2V
36430	OP265C	OPTEK	紅外線發射二極體	T-1	100mW	890nm	±18 deg	50mA	2V
36431	OP265D	OPTEK	紅外線發射二極體	T-1	100mW	890nm	±18 deg	50mA	2V

