

The **0HC875HP** is a high-power GaAlAs IRED mounted in a T0-18 type header with clear epoxy encapsulation, has wide beam angle and is relatively low-cost compared T0-18 can-type devices.

FEATURES

- Wide beam angle
- Relative low cost against metal can package
- Low profile package

APPLICATIONS

- Optical readers
- Optical switches
- Encoders



ELECTRO-OPTICAL CHARACTERISTICS

(Ta=25°C)

Item	Symbol	Cond.	Min.	Typ.	Max.	Unit
Forward voltage	VF	IF=50mA		1.6	2.0	V
Reverse current	IR	VR=5v			10	μA
Capacitance	CT	f=1MHz		18		pF
Radiant intensity	Po	IF=50mA		12		mW
Peak emission wavelength	λp	IF=50mA		875		nm
Spectral bandwidth 50%	Δ λ	IF=50mA		50		nm
Half angle	Δ θ			± 30		deg.

MAXIMUM RATINGS

(Ta=25°C)

Item	Symbol	Rating	Unit
Reverse voltage	VR	5	V
Forward current	IF	80	mA
Pulse forward current	IFP	800	mA
Power dissipation	Pd	160	mW
Operating temp.	Topr	-25~+80	°C
Storage temp.	Tstg	-30~+100	°C
Soldering temp. ⁽¹⁾	Tsol	260	°C

(1)For MAX.5seconds at the position of 2mm from the package

