

The **OHC850MCL** 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

- High-output power
- High-speed response
- Low profile package

APPLICATIONS

- Optical emitters
- Optical switches
- Transmitting distance with glass cable



ELECTRO-OPTICAL CHARACTERISTICS

(Ta=25℃)

Item	Symbol	Cond.	Min.	Typ.	Max.	Unit
Forward voltage	VF	IF=50mA		1.5	1.7	V
Reverse current	IR	VR=5v			10	μA
Radiant intensity	Po	IF=50mA		16		mW/sr
Peak emission wavelength	λp	IF=50mA		850		nm
Spectral bandwidth 50%	Δ λ	IF=50mA		30		nm
Half angle	Δ θ			± 25		deg.

MAXIMUM RATINGS

(Ta=25℃)

Item	Symbol	Rating	Unit
Reverse voltage	VR	5	V
Forward current	IF	80	mA
Pulse forward current	IFP	1	A
Power dissipation	Pd	140	mW
Operating temp.	Topr	-25 ~ +80	℃
Storage temp.	Tstg	-30 ~ +100	℃
Soldering temp.	Tsol	260	℃

