

The **OHE940MA** is a high-power GaAs 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℃)

Item	Symbol	Cond.	Min.	Typ.	Max.	Unit
Forward voltage	VF	IF=50mA		1.3	1.5	V
Reverse current	IR	VR=5v			10	μA
Capacitance	CT	f=1MHz		25		pF
Radiant intensity	Po	IF=50mA		2.7		mW/sr
Peak emission wavelength	λp	IF=50mA		940		nm
Spectral bandwidth 50%	Δ λ	IF=50mA		50		nm
Half angle	Δ θ			± 32		deg.

MAXIMUM RATINGS

(Ta=25℃)

Item	Symbol	Rating	Unit
Reverse voltage	VR	5	V
Forward current	IF	100	mA
Pulse forward current	IFP	1	A
Power dissipation	Pd	200	mW
Operating temp.	Topr	-25~+80	℃
Storage temp.	Tstg	-30~+100	℃
Soldering temp. ⁽¹⁾	Tsol	260	℃

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

