



Applying the
technology of light



T: +44 (0)1209 215424
F: +44 (0)1209 215197
omc-sales@omc-uk.com
www.omc-uk.com

OMC (UK) Ltd.
Candela House,
Cardrew Industrial Estate,
Redruth, Cornwall
TR15 1SS. UK

Product

H3R880IR

Discription

**FDH3 HOUSING WITH FDR880IR
PIN PHOTODIODE**

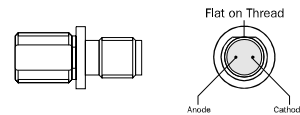
FDR880IR Silicon PIN Photodiode

- + Silicon Planar PIN Photodiode
- + High Speed
- + Cost Effective
- + Large Active Surface Area (1 mm²)

Description

The FDR880IR is a planar PIN photodiode in a plastic package with a flat lens. This flat window has no effect on the beam path of optical lens systems. Because of its high cutoff frequency , this diode is particularly well suited for use as a high-modulation bandwidth optical sensor .

FSMA Rear Fitting Panel Mount
H3R880IR



Maximum Recommended Ratings

(@TA=25°C Unless Otherwise noted)

Reverse Voltage	30V
Storage Temperature Range	-55°C to +100 °C
Operating Temperature Range	-55°C to +100 °C
Lead Solder Temperature	300°C (2mm from case for 3secs)
Power Dissipation	100mW

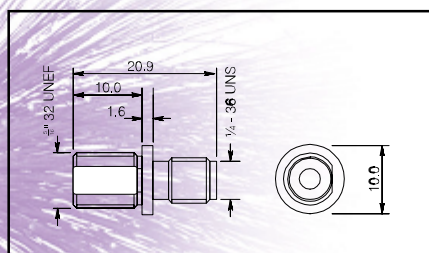
Optoelectronic Characteristics

Parameter	Min	Typ	Max	Units	Test Conditions
Forward Voltage	—	1.3	—	V	I _F =80mA
Maximum Photosensitivity Wavelength	—	850	—	nm	—
Photosensitivity Spectral Range	—	400 to 1100	—	nm	S=10% of S _{MAX}
Photocurrent Rise Time	—	5	—	ns	R _L =50 Ω V _F =20V λ=850nm I _F =80μA

A red sleeve on the anode denotes that the device is a transmitter.
Receiver devices have a black lead on the anode.

FDH3 - SMA Rear Fitting Panel Mount

Package Dimensions



Panel Cutout

