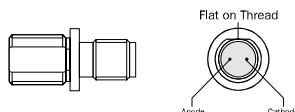


**FDR880IR****Silicon PIN Photodiode**

- + Silicon Planar PIN Photodiode
- + High Speed
- + Cost Effective
- + Large Active Surface Area (1mm<sup>2</sup>)

FSMA Rear Fitting Panel Mount

**H3R880IR****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.

**Maximum Recommended Ratings**

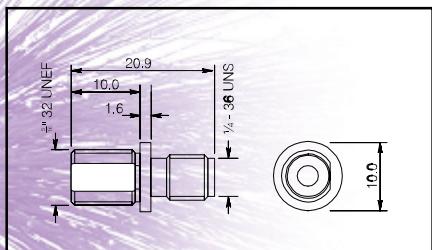
(@TA=25°C Unless Otherwise noted)

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 <sub>f</sub> =80mA
Maximum Photosensitivity Wavelength	—	850	—	nm	—
Photosensitivity Spectral Range	400	to 1100	—	nm	S=10% of S <sub>MAX</sub>
Photocurrent Rise Time	—	5	—	ns	R <sub>f</sub> =50 Ω, V <sub>f</sub> =20V, λ=650nm, I <sub>f</sub> =800μA

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**