



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



INDUSTRIAL FIBER OPTICSYou Are Here: [Home](#) > [Tools/ Test Equipment](#) > [Miscellaneous](#) > **IR (infrared) Detection Card 850nm****IR (infrared) Detection Card
850nm****Credit card size indicator for viewing IR
light.**

An IR detection card is a great addition to any technician's tool box who works with fiber optic systems using infrared (IR) light. This card will quickly visually indicate if an IR LED is producing light (radiation) without having to use larger and bulkier tools. Each card has a 1.5 X 1.5 cm active area that is sensitive to IR light. The illuminated area glows or produces a blueish green light when illuminated with IR light. It creates this glow by dislodging charged molecular electrons in the phosphor material which produces photons which is light with a blueish green color.

Charging - phosphor stores energy when exposed to the UV wavelengths found in sunlight or light from fluorescent lamps - IR releases it as a phosphorescent glow. Sensitivity peaks at 800 nm and at 1300 nm (sensitivity at 1300 nm approx. 55 % of sensitivity at 800 nm). Suitable for low intensity LED light sources as used in fiber optics. High powered light sources may quickly deplete the stored energy in the phosphor material, after which recharging is required.

* Spectral bandwidth (S = 10 % of Smax) 600 - 1500 nm

**Part Number: IF 850052**

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