

Infra-Red Pass Filters

IR pass filters provide high transmittance of Infra-Red radiation while reducing or blocking transmission of energy below 700nm. The use for Infra-Red filters has grown with the development of IR photometric systems. Specific applications include remote control units, security systems, proximity sensors, scanners and IR cameras.

Product format

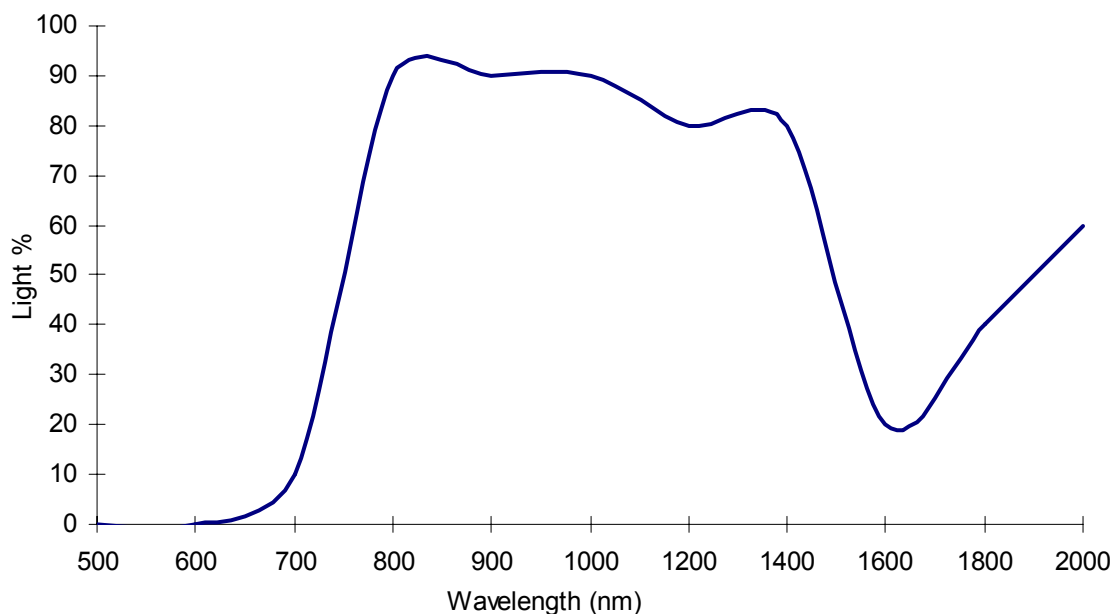
S306 is an acrylic material available in thickness from 0.5mm. Parts can be supplied to final drawing milled by CNC and can include steps and holes. Non-glare finish is optional for the reduction of front surface reflections. Parts can be supplied to final drawing precision cut by in our 3-axis CNC facilities. Full CAD/CAM means we have no tooling charges and we can work directly from drawings or electronic files.

Spectral Properties

S306 is broad-band IR pass filters with 80-95% light transmission in the range of 800 to 1400 nanometers. The transmission profile defines a high signal to noise ratio and indicates that this is an excellent filter for use for signal enhancement of near infra red devices and for blocking visible light emission from near infra red transmitters.

Design options

Custom optical lamination in glass or polycarbonate., EMI shielding with laminated **EmiClare** mesh and silk screen printing.



Availability

Sheets , machined plastic parts, glass laminates

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