

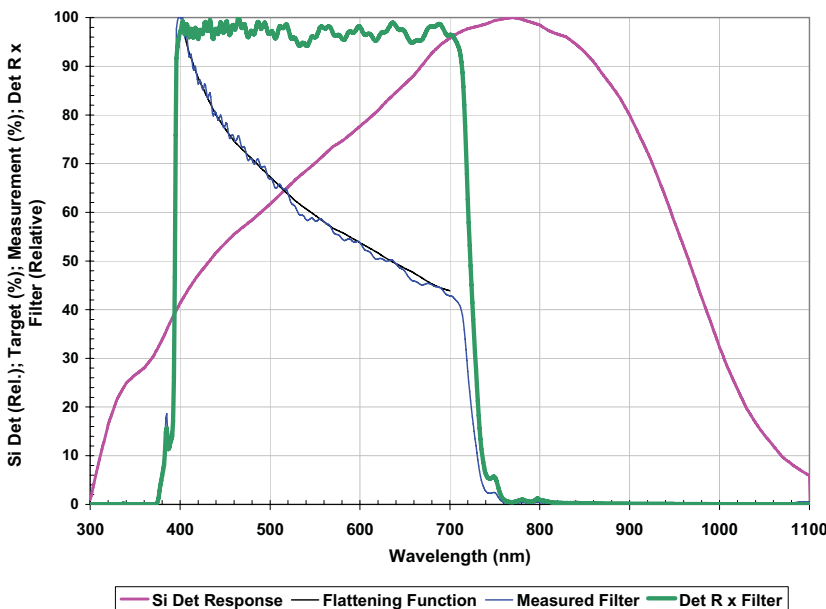
Sensor Response Flattening Filters

Customize your detector response to maximize system performance

Example: Flattening Filters

- Flat transmission curve in the relevant band
- Excellent blocking in out of band region
- $T_{avg} < 0.2\%$, 800 nm – 1,100 nm

Silicon Detector Reponse Flattening Filter
(Blocked to ~OD3 800 nm - 1100 nm)



Application Examples

Any application using sensors for detection where modulation of the sensor response curve is desirable. The systems will typically use a lightsource with spectral content.

- Remote sensing
- Home land security
- Biomedical instruments
- Food safety
- Environmental monitoring

Common Features for all JDSU Sensor Response Flattening Filters

- Ability to customize sensor response curves in the Visual and NIR
- Blocking in out of band regions
- Hard dielectric coatings → maximum durability

Sensor Response Flattening Filters

CUSTOM OPTICS

Customize your detector response to maximize system performance



JDSU's proprietary Ucp-1 coating platform enables a winning equation for leading edge filters.

Fast deposition rates + ultra-precise deposition layer control + short cycle time between coating runs = High performance filters at competitive cost.

The Ucp-1 technology platform also produces other high performance filters such as:
Band pass filters, fluorescence filters, dichroic beamsplitters, beam combiners etc.

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