



Infrared Products

BIR Series Infrared Polarizers

The ProFlux™ BIR Series Infrared polarizers provide the best broadband infrared performance available anywhere. Enabled by MOXTEK’s high capacity polarizer production capability. These polarizers feature:

- Wide acceptance angles (f/1.2 systems)
- Large apertures (> 6 in.)
- Possible AR Coating optimization to provide the ultimate in transmission performance for a specific application
- Put two BIR04 in series and obtain contrast ratios > 1,000,000:1

Designed and manufactured to support broadband applications. The BIR04 High Contrast infrared polarizer is ideal for applications where contrast is crucial. The BIR05 High Transmission infrared polarizer is ideal for applications where the optical efficiency is of paramount performance.

While designed for broadband performance, the same technology behind the BIR04 and BIR05 infrared polarizers may be optimized for specific applications to deliver even higher contrast and optical performance. If you have a specific application in mind, give us the chance to show you what we can do.

General Specifications:

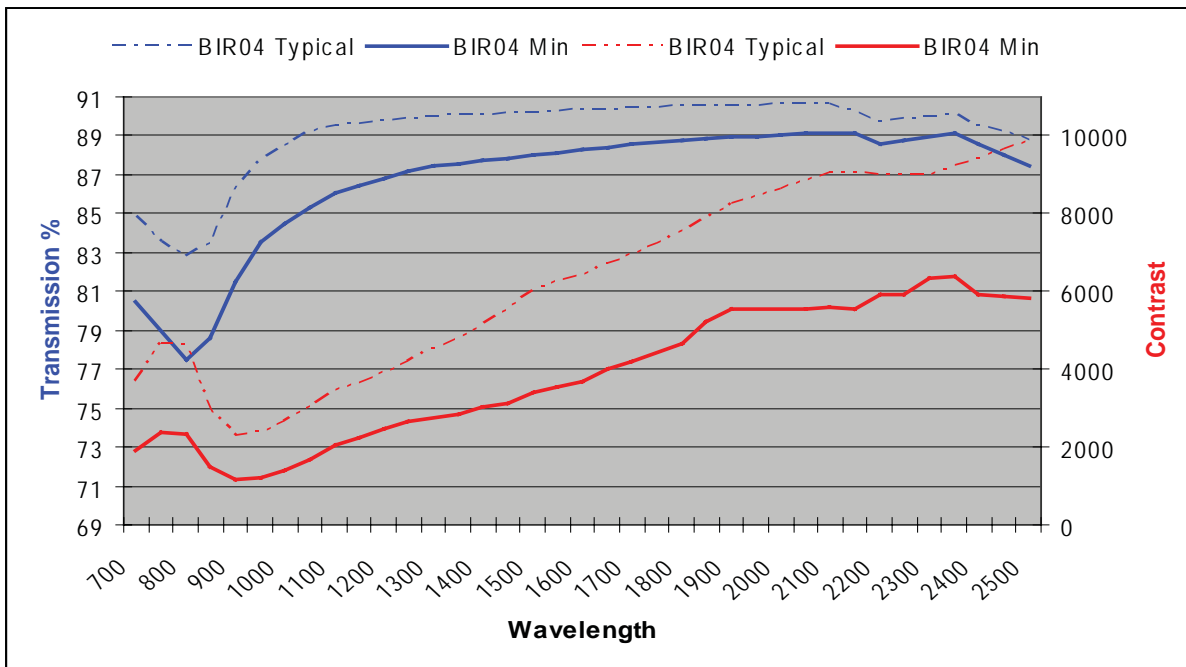
Thickness:	0.7 mm thick
Broadband:	700 nm - 2500nm
Minimum Size:	10 mm x 10 mm standard
Maximum Size:	180 mm diameter
Period:	144 nm
Substrate:	Corning 1737 standard, Fused Silica and other specialized substrates available
AR Coatings Optional:	Inquire about specific coatings desired



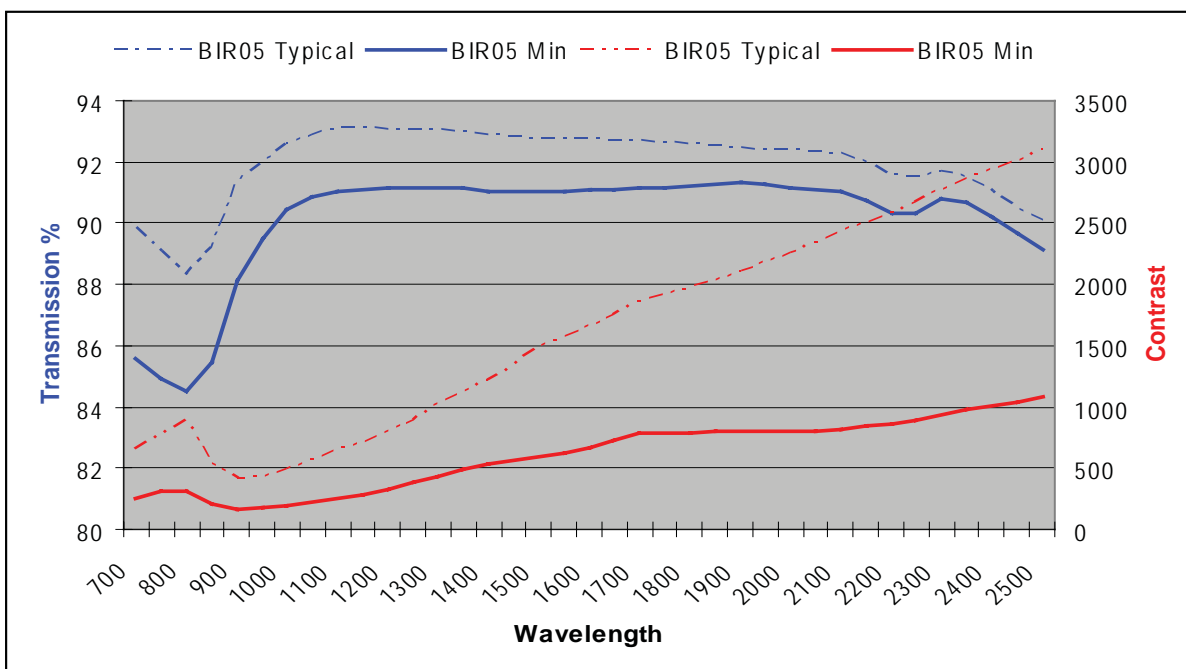


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BIR04 - High Contrast Polarizer



BIR05 - High Transmission Polarizer



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