

# BVO 244 Linear Polarizer

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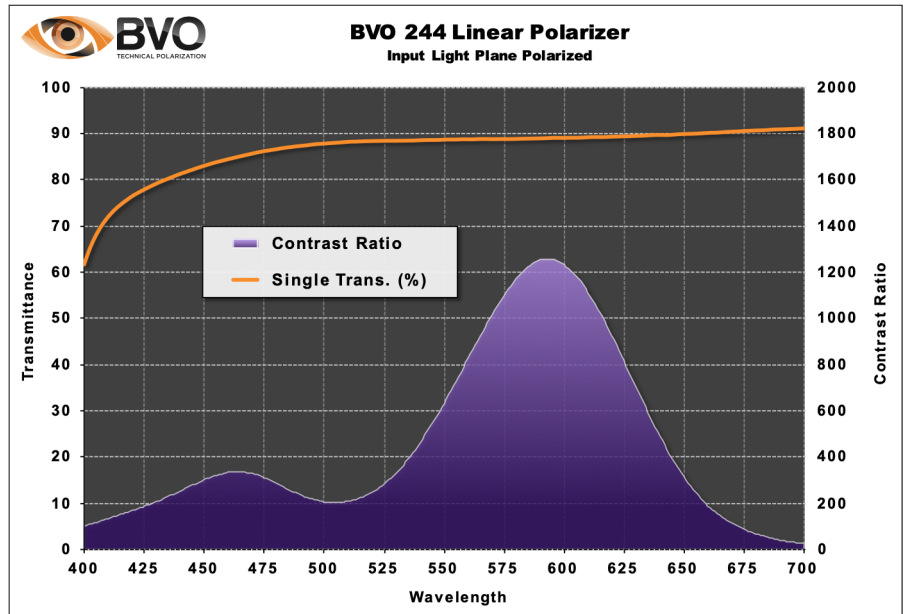
Sometimes you just need throughput. BVO 244 is the highest transmittance visible linear polarizer available (plastic dichroic type). However, there is a trade-off with loss of contrast ratio. Our Solq and Lyot filter customers desire high transmission due to multi-stage design. Projection systems and HUDs also require clean up polarizers which do not depend on high extinction.

## VERY HIGH TRANSMISSION VISIBLE DICHOIC LINEAR POLARIZER

- Active Range: 400nm – 700nm
- Extremely high transmission
- Type – transmissive, absorptive
- Lower contrast
- Low absorption
- Large sizes available

### APPLICATIONS

- Multi Stage Filters
- Projection System Clean-Up Polarizer
- HUD's – Heads Up Display



### FILM SPECIFICATIONS

Polarizer Range	400nm – 700nm
Contrast Ratio	300:1 nominal
Maximum Dimension	1000mm x 620mm
Thickness w/ PSA	0.190mm
Film Cut Tolerances	± 50 microns
Adhesive (PSA)	None, PSA conversion available
Temperature Range	-20° C to 80° C
Damage Threshold	1 W/cm <sup>2</sup> continuous wave 0.2 J/cm <sup>2</sup> w/ 20 ns pulse, visible
Color	Neutral Gray
Substrate	Plastic Cellulose Triacetate, dichroic
Surface Quality	80/50 Scratch-Dig

### STANDARD COMPONENT SPECIFICATIONS

Outer Dimension	25.4mm ± 0.20mm
Wavefront Distortion	λ/2 measured @ 632nm
Thickness	4.20mm, ± 0.20mm
Substrates	BK-7
Surface Quality	40/20 Scratch-Dig
Beam Deviation	2 arc minutes
Anti Reflection Coatings	R ≤ 0.65% / surface 400-900nm

### CUSTOM CAPABILITIES

Format	Film polarizer, PSA conversion, glass or acrylic lamination, various coating options
Shaping	Custom size and shape, .dxf routing/cutting capabilities, email for info or quote

