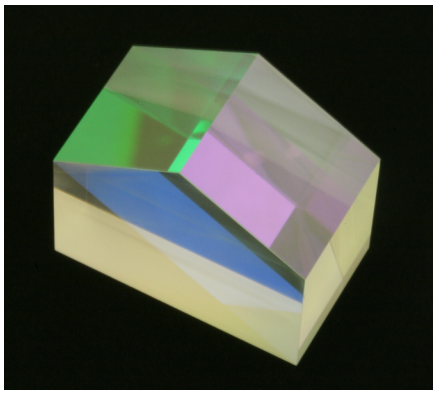
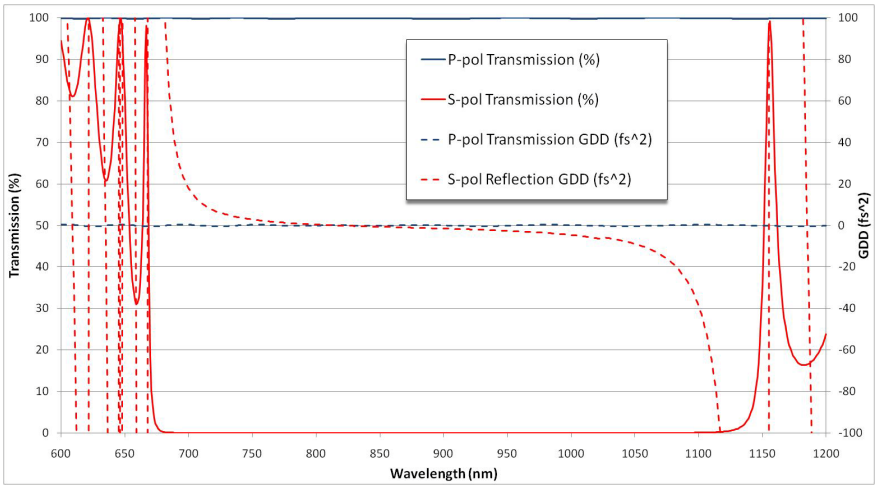
precisionphotonics



PPC Introduces Low GVD, Broadband Polarizers (700-1100nm)

BOULDER, Colorado (April 21, 2011): Precision Photonics Corporation (PPC), a leading provider of ultra-precise optics and opto-mechanical assemblies, announces a new low dispersion, high energy polarizer for broadband femtosecond applications. Like our selection of laser-line polarizing beamsplitter cubes and beam combiners, these components utilize PPC's advanced ion-beam-sputtering (IBS) coatings and Telcordia-qualified CADB® epoxy-free bonding technique to provide unique, low-loss optical components without compromising critical performance attributes – broad bandwidth, excellent wavefront quality, high extinction ratio, high transmission, low dispersion and high LDT.



This low GVD broad-band polarizer maintains a > 2000:1 extinction ratio from 700-1100nm without sacrificing overall transmission (Tp > 96%) or damage threshold (initial testing to >10J/cm^2!). These fused silica beam splitters will be offerred with a standard ½" x ½" input face, and custom prism polarizers will be available in sizes from 1mm to > 20mm. Applications include regenerative amplifiers and optical isolators for ultrafast lasers, optical coherence tomography, microscopy, and imaging.

The innovative shape of the prisms allows ultra-broadband pulses to travel in and out of the polarizer without refraction, thus avoiding spatial dispersion of the broadband pulse (prism effect). The multi-dimensional, advanced performance of the Low GVD Prism Polarizer is not possible with typical cube beam splitters, calcite prism polarizers or thin film plate polarizers.

About Precision Photonics:
PPC manufactures high power optical components and coatings targeting applications in telecommunications, defense, aerospace, biomedical, and semiconductor manufacturing. By applying the latest advances in the manufacturing and measurement of laser optics, PPC is able to offer price-competitive, short lead-time manufacturing at the very highest levels of precision for both prototype and OEM components.

For more information visit PPC at www.precisionphotonics.com or contact:

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