

Lasermetrics polarizing optics are fabricated from the finest grade calcite and quartz crystals. Glan-Laser polarizing prisms are available in several forms to accommodate various power density inputs. All Glan prisms listed below will provide extinction ratios of better than 10^5 over the spectral range of 0.30 to approximately 2.0 μm . Field of view is about 3° .

CALCITE POLARIZING PRISMS

Figure A: Standard Glan-Laser Prism - Air Spaced, no side escape windows. Recommended Max. Power Density: 1 watt / cm^2 CW.

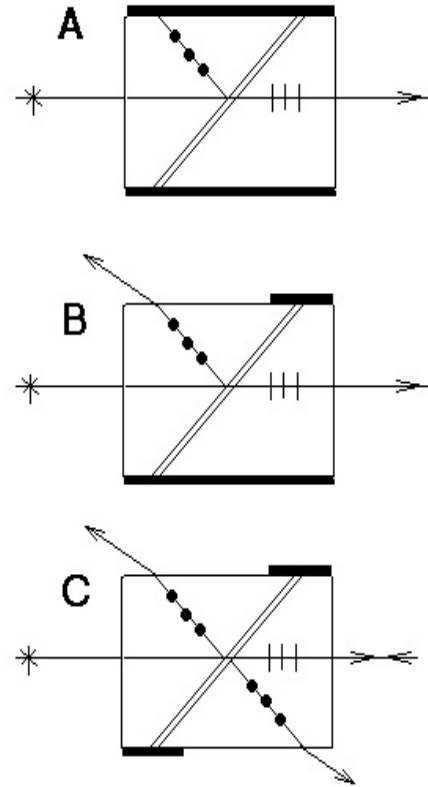
Aperture, mm	Part No. for Ordering
8 X 8	PGL - 8
10 X 10	PGL - 10
12 X 12	PGL - 12
15 X 15	PGL - 15
20 X 20	PGL - 20

Figure B: High Power Glan-Laser Prism - Air Spaced, single side exit window. Recommended max. power density: 50 watts/ cm^2 CW or 100 watts/ cm^2 pulsed.

8 X 8	PGL - 8S
10 X 10	PGL - 10S
12 X 12	PGL - 12S
15 X 15	PGL - 15S
20 X 20	PGL - 20S

Figure C: Q-Switch Glan-Laser Prism - Air Spaced, dual side exit windows. For use within laser cavities, will withstand peak power densities of more than 350 MW/ cm^2 .

8 X 8	PGL - 8D
10 X 10	PGL - 10D
12 X 12	PGL - 12D
15 X 15	PGL - 15D
20 X 20	PGL - 20D



CRYSTAL QUARTZ WAVE PLATES

Transmittance range: 0.25 to 2.5 μm . Will tolerate peak power densities in excess of 500 MW/ cm^2 . Specify retardation and wavelength. Order by part number with suffix "H" for half wave or "Q" for quarter wave retardation and add wavelength. For example: RQS-12-Q-1064

Single Plate Crystal Quartz - Multiple Order

12 mm Diam. P/N RQS - 12 -- --
 25 mm Diam. P/N RQS - 25 -- --

Double Plate Crystal Quartz Retardation Plate - Air Spaced, Zero Order.

12 mm Diam. P/N RQD - 12 -- --
 22 mm Diam. P/N RQD - 22 -- --