

## Quartz Rotators

Quartz Rotators rotate the plane of linearly polarized light for a beam that propagates along the crystalline optic axis of quartz. In this case,  $\theta = 0^\circ$ . The amount of rotation depends on the thickness of the rotator, and is independent of the rotation of the plate about the beam direction. Standard Laser Optics Quartz Rotators are mounted on 25 mm diameter rings and have 16 mm clear apertures. At least 95% of the light intensity is rotated by  $90^\circ$  for all wavelengths within the stated wavelength range. All of these standard rotators have a slight wedge in order to lessen etalon effects.

Standard Quartz Rotators	
Model Number	90° Wavelength Range
741-251 / 01	277 – 311 nm
741-251 / 02	311 – 362 nm
741-251 / 03	350 – 380 nm
741-251 / 04	380 – 415 nm
741-251 / 05	410 – 450 nm
741-251 / 06	450 – 490 nm
741-251 / 07	490 – 530 nm
741-251 / 08	522 – 548 nm
741-251 / 09	548 – 625 nm
741-251 / 10	625 – 702 nm
741-251 / 11	702 – 780 nm
741-251 / 12	243 – 277 nm