

Table gives the required specifications for the Quarter Wave Plate

Sr no	parameter name	specification	Compliance	Parameter Value
1	Manufacturer	Kindly state		
2	Model Number	Kindly state		
3	item name	Quartz zero order quarter wave plate		
4	Diameter (mm) or square side	≥25mm		
5	Clear Aperture (mm)	≥18		
6	wedge (arc sec)	< 10		
7	material	quartz		
8	wavelength(nm) (air)	632.8		
9	Retardance order	0		
10	retardation	$\lambda/4$		
11	Retardation Accuracy	$\leq \pm\lambda/200$		
12	wavefront distortion (PV)	$\leq \lambda/10$ over full aperture		
13	Surface Quality (scratch Dig)	10.-5		
14	Antireflection Coating	Reflection $\leq 0.5\%$ at 632.8nm		
15	mount	yes		
16	Mount should have independent tip and tilt manual alignment Provision	minimum range should be $\pm 3^\circ$ for both direction and sensitivity to be better than 10 arc sec (per degree of knob rotation)		
17	mount should have provision to rotate the QWP fast axis and lock it in chosen angle	marking of 2 deg interval for range 0-360° should be present		
17	Quantity (QWP+mount)	5		

Guide lines for quotation

- The supplier should clearly mention the compliance/non-compliance to the parameters as well as the values for that parameter by filling table given above. **Incomplete filling of the table will be considered as Non-Compliant.**