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Reflective Ruled Diffraction Gratings



- Up to 80% Efficiency
- Bare Aluminum Coating
- Blaze Wavelength Options from 250 to 1600nm

Common Specifications

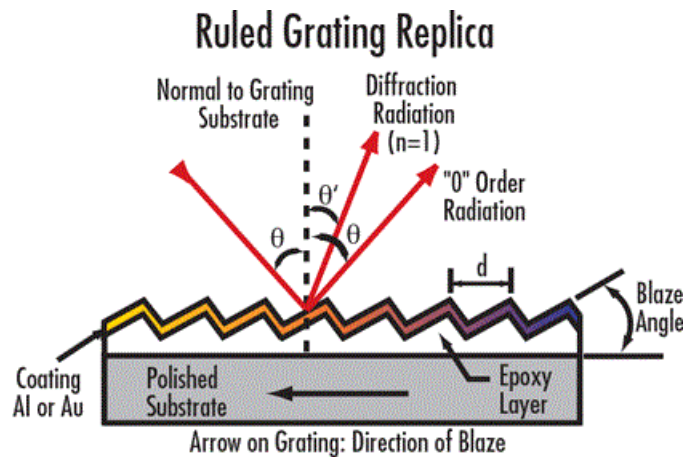
Physical & Mechanical Properties

Clear Aperture (%):	90	Construction:	Ruled Grating
Direction of Grooves:	Parallel to Short Dimension	Alignment of Grooves to Edge (°):	±0.5

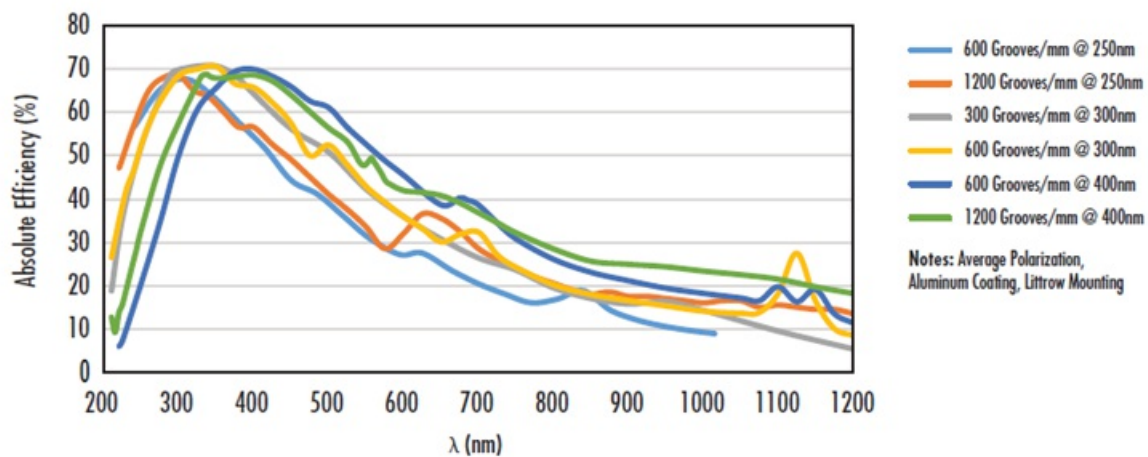
Optical Properties

Coating:	Bare Aluminum	Substrate:	Float Glass
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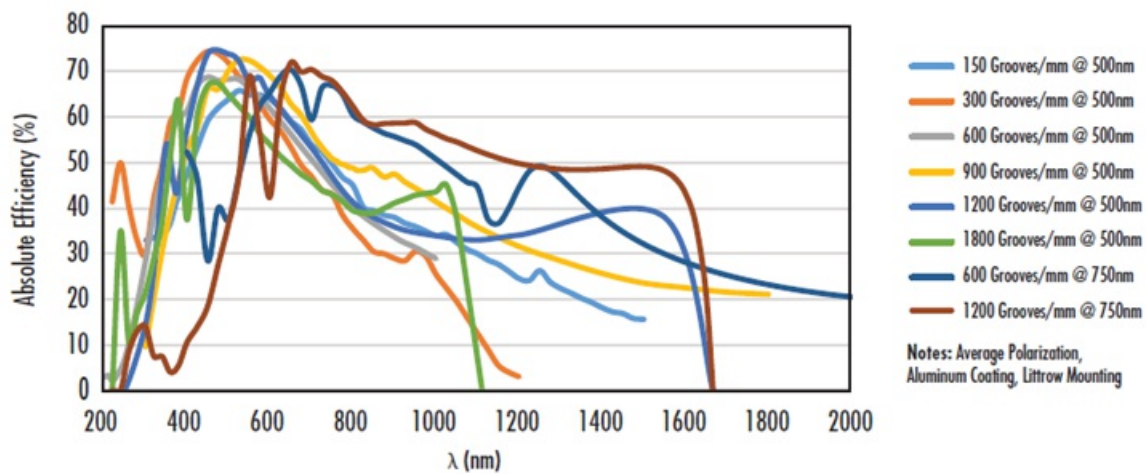
Technical Information



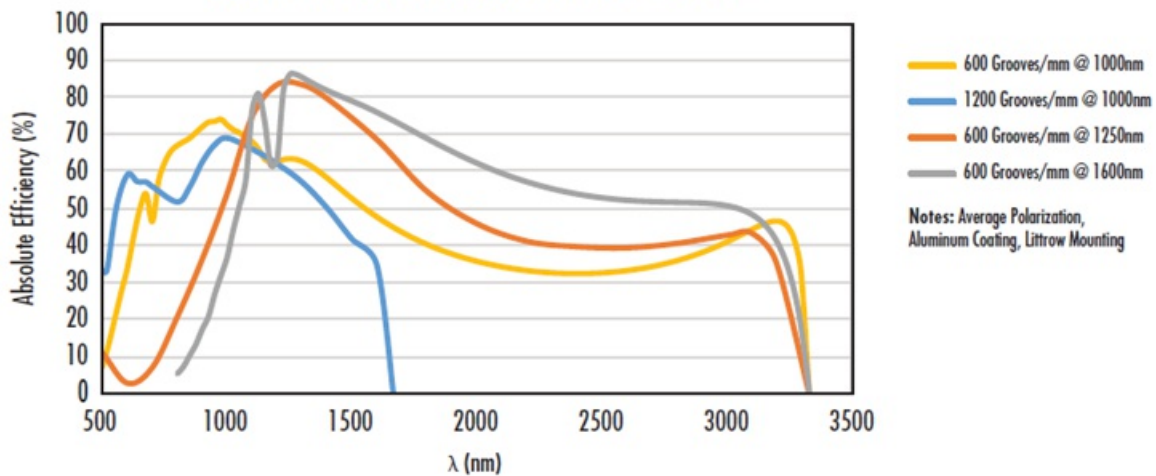
Typical Efficiency Curves for Ruled Gratings
Optimized (Blaze) Wavelengths from 250 - 400nm



Typical Efficiency Curves for Ruled Gratings
Optimized (Blaze) Wavelengths from 500 - 750nm



Typical Efficiency Curves for Ruled Gratings
Optimized (Blaze) Wavelengths from 1000 - 1600nm



Products

Groove Density (grooves/mm)	Blaze Wavelength (nm)	Dimensions (mm)	Stock Number	Price	Buy
600	400	12.5 x 25.0	#41-021	S\$168.00 Volume Pricing	3 In Stock
600	500	12.5 x 25.0	#48-461	S\$168.00 Volume Pricing	3 In Stock
600	750	12.5 x 25.0	#41-020	S\$168.00 Volume Pricing	6 In Stock
1200	250	12.5 x 25.0	#41-039	S\$168.00 Volume Pricing	1 In Stock
1200	400	12.5 x 25.0	#41-048	S\$168.00 Volume Pricing	5 In Stock
1200	500	12.5 x 25.0	#43-004	S\$168.00 Volume Pricing	Contact Us
1200	750	12.5 x 25.0	#43-209	S\$168.00 Volume Pricing	8 In Stock
150	500	12.7 x 12.7	#64-397	S\$133.00 Volume Pricing	3 In Stock
300	300	12.7 x 12.7	#43-737	S\$133.00 Volume Pricing	2 In Stock
300	500	12.7 x 12.7	#64-398	S\$133.00 Volume Pricing	5 In Stock
600	250	12.7 x 12.7	#43-739	S\$133.00 Volume Pricing	7 In Stock
600	300	12.7 x 12.7	#43-741	S\$133.00 Volume Pricing	6 In Stock
600	500	12.7 x 12.7	#43-742	S\$133.00 Volume Pricing	4 In Stock
600	750	12.7 x 12.7	#43-744	S\$133.00 Volume Pricing	20+ In Stock
600	1250	12.7 x 12.7	#43-746	S\$133.00 Volume Pricing	13 In Stock
600	1600	12.7 x 12.7	#43-748	S\$133.00 Volume Pricing	2 In Stock
600	400	12.7 x 12.7	#43-771	S\$133.00 Volume Pricing	14 In Stock

600	1000	12.7 x 12.7	#43-745	S\$133.00 Volume Pricing	10 In Stock
900	500	12.7 x 12.7	#64-399	S\$133.00 Volume Pricing	4 In Stock
1200	250	12.7 x 12.7	#43-750	S\$133.00 Volume Pricing	5 In Stock
1200	400	12.7 x 12.7	#48-464	S\$133.00 Volume Pricing	5 In Stock
1200	500	12.7 x 12.7	#43-751	S\$133.00 Volume Pricing	20+ In Stock
1200	750	12.7 x 12.7	#43-752	S\$133.00 Volume Pricing	10 In Stock
1200	1000	12.7 x 12.7	#43-753	S\$133.00 Volume Pricing	20+ In Stock
1800	240	12.7 x 12.7	#64-400	S\$133.00 Volume Pricing	5 In Stock
150	500	25.0 x 25.0	#64-402	S\$217.00 Volume Pricing	Contact Us
300	300	25.0 x 25.0	#43-738	S\$217.00 Volume Pricing	4 In Stock
300	500	25.0 x 25.0	#64-403	S\$217.00 Volume Pricing	5 In Stock
600	250	25.0 x 25.0	#43-740	S\$217.00 Volume Pricing	5 In Stock
600	300	25.0 x 25.0	#43-001	S\$217.00 Volume Pricing	5 In Stock
600	400	25.0 x 25.0	#41-019	S\$217.00 Volume Pricing	12 In Stock
600	500	25.0 x 25.0	#43-743	S\$217.00 Volume Pricing	1 In Stock
600	750	25.0 x 25.0	#41-028	S\$217.00 Volume Pricing	20+ In Stock
600	1000	25.0 x 25.0	#43-207	S\$217.00 Volume Pricing	2 In Stock
600	1250	25.0 x 25.0	#43-747	S\$217.00 Volume Pricing	20+ In Stock
600	1600	25.0 x 25.0	#43-749	S\$217.00 Volume Pricing	8 In Stock
900	500	25.0 x 25.0	#64-404	S\$217.00 Volume Pricing	16 In Stock

1200	250	25.0 x 25.0	#41-037	S\$217.00 Volume Pricing	Contact Us
1200	400	25.0 x 25.0	#41-046	S\$217.00 Volume Pricing	20+ In Stock
1200	500	25.0 x 25.0	#43-005	S\$217.00 Volume Pricing	4 In Stock
1200	750	25.0 x 25.0	#43-210	S\$210.00 Volume Pricing	4 In Stock
1200	1000	25.0 x 25.0	#43-754	S\$217.00 Volume Pricing	Contact Us
1800	240	25.0 x 25.0	#64-405	S\$217.00 Volume Pricing	4 In Stock
600	400	30.0 x 30.0	#48-460	S\$273.00 Volume Pricing	2 In Stock
600	500	30.0 x 30.0	#46-075	S\$273.00 Volume Pricing	20+ In Stock
600	750	30.0 x 30.0	#55-258	S\$273.00 Volume Pricing	5 In Stock
600	1250	30.0 x 30.0	#46-076	S\$273.00 Volume Pricing	1 In Stock
600	1600	30.0 x 30.0	#55-259	S\$273.00 Volume Pricing	5 In Stock
1200	250	30.0 x 30.0	#55-260	S\$273.00 Volume Pricing	4 In Stock
1200	500	30.0 x 30.0	#46-077	S\$273.00 Volume Pricing	1 In Stock
1200	750	30.0 x 30.0	#46-078	S\$273.00 Volume Pricing	3 In Stock
300	300	50.0 x 50.0	#48-459	S\$413.00 Volume Pricing	1 In Stock
600	300	50.0 x 50.0	#43-002	S\$413.00 Volume Pricing	3 In Stock
600	400	50.0 x 50.0	#41-016	S\$413.00 Volume Pricing	6 In Stock
600	500	50.0 x 50.0	#48-462	S\$413.00 Volume Pricing	5 In Stock
600	750	50.0 x 50.0	#41-025	S\$413.00 Volume Pricing	3 In Stock
600	1000	50.0 x 50.0	#43-208	S\$413.00 Volume Pricing	2 In Stock

600	1250	50.0 x 50.0	#48-463	S\$413.00 Volume Pricing	Contact Us
1200	250	50.0 x 50.0	#41-034	S\$413.00 Volume Pricing	3 In Stock
1200	400	50.0 x 50.0	#41-043	S\$413.00 Volume Pricing	2 In Stock
1200	500	50.0 x 50.0	#43-006	S\$413.00 Volume Pricing	12 In Stock
1200	750	50.0 x 50.0	#43-211	S\$413.00 Volume Pricing	4 In Stock



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