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Coherent® LightSmyth™ Transmission Diffraction Gratings

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- High Diffraction Efficiency (>94% Absolute) and Low Scatter
- Polarization Independent and Single Polarization Optimized Gratings
- Robust Inorganic Materials for Superior Power Handling and Reliability
- Designs for NIR Wavelengths between 800 - 1800nm

Common Specifications

General

Note:

S-Polarization defined with E-field parallel to the grating grooves

Physical & Mechanical Properties

Groove Density Uniformity
 (grooves/mm): 0.001

Construction: Multi-Layer Dielectric Binary Etch Grating

Alignment of Grooves to Edge (°): 0.1 (typical)

Optical Properties

Coating: Dielectric

Surface Quality: 60-40

Technical Information

Products

Groove Density (grooves/mm)	DWL (nm)	Wavelength Range (nm)	Dimensions (mm)	Stock Number	Price	Buy
1398.6	800	-	12.70 x 12.70	#16-859	€464,00	Contact Us
1398.6	800	-	24.00 x 14.90	#16-860	€625,00	Contact Us
1503.76	875	-	24.80 x 15.80	#16-862	€625,00	3-4 days
1600	1030	-	31.80 x 12.30	#16-863	€625,00	Contact Us
1600	1030	-	31.80 x 24.80	#16-864	€1.230,00	3-4 days
1739.13	1030	-	130.00 x 15.00	#16-867	€3.550,00	Contact Us
1739.13	1030	-	31.80 x 20.20	#16-866	€1.230,00	Contact Us
1000	1040	-	12.30 x 12.30	#16-868	€383,00	In Stock
1000	1040	-	31.80 x 12.30	#16-869	€625,00	Contact Us
1000	1040	-	31.80 x 24.80	#16-870	€1.230,00	3-4 days
1600	1060	-	12.30 x 12.30	#16-872	€383,00	3-4 days
940.07	-	1525 - 1565	24.00 x 14.00	#16-874	€625,00	In Stock
966.18	-	1525 - 1565	27.00 x 10.00	#16-875	€625,00	3-4 days
1000	-	1525 - 1565	31.80 x 12.30	#16-876	€685,00	3-4 days
940.07	-	1528 - 1610	27.00 x 10.00	#16-877	€575,00	3-4 days
1201.2	-	1275 - 1345	27.00 x 10.00	#28-908	€650,00	3-4 days



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Phone: 1-800-363-1992 :
www.edmundoptics.com