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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	£406.23	1 In Stock
1398.6	800	-	24.00 x 14.90	#16-860	£547.19	Contact Us
1503.76	875	-	24.80 x 15.80	#16-862	£547.19	Contact Us
1600	1030	-	31.80 x 12.30	#16-863	£547.19	Contact Us
1600	1030	-	31.80 x 24.80	#16-864	£1,076.87	Contact Us
1739.13	1030	-	130.00 x 15.00	#16-867	£3,108.03	Contact Us
1739.13	1030	-	31.80 x 20.20	#16-866	£1,076.87	Contact Us
1000	1040	-	12.30 x 12.30	#16-868	£335.32	5 In Stock
1000	1040	-	31.80 x 12.30	#16-869	£547.19	5 In Stock
1000	1040	-	31.80 x 24.80	#16-870	£1,076.87	1 In Stock
1600	1060	-	12.30 x 12.30	#16-872	£335.32	Contact Us
940.07	-	1525 - 1565	24.00 x 14.00	#16-874	£547.19	1 In Stock
966.18	-	1525 - 1565	27.00 x 10.00	#16-875	£547.19	Contact Us
1000	-	1525 - 1565	31.80 x 12.30	#16-876	£599.72	1 In Stock
940.07	-	1528 - 1610	27.00 x 10.00	#16-877	£503.41	Contact Us
1201.2	-	1275 - 1345	27.00 x 10.00	#28-908	£569.08	1 In Stock



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