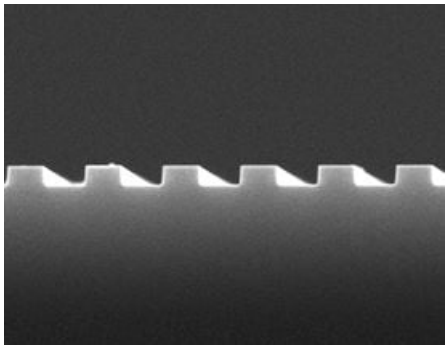


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Coherent® LightSmyth™ Nanopatterned Silicon Stamps

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More by [Coherent®](#)

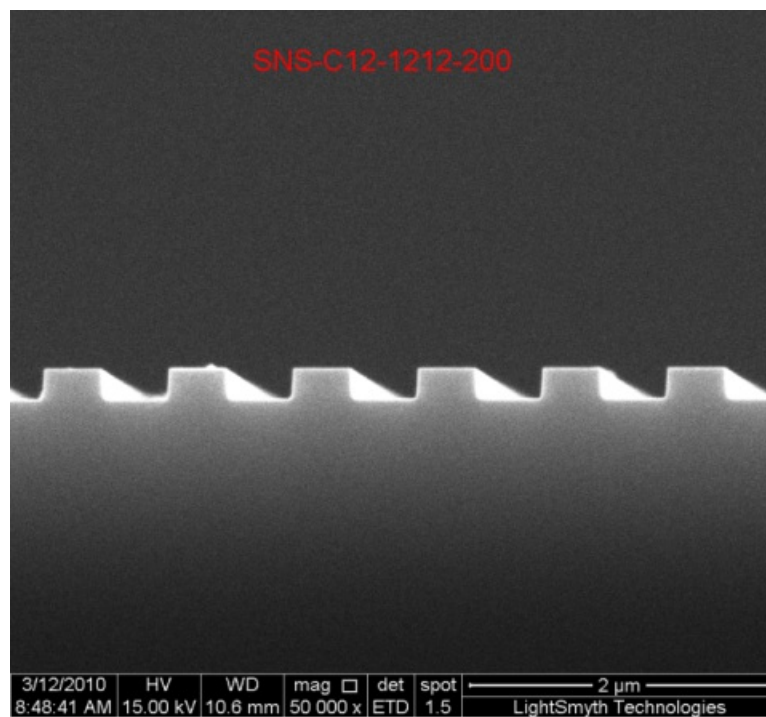
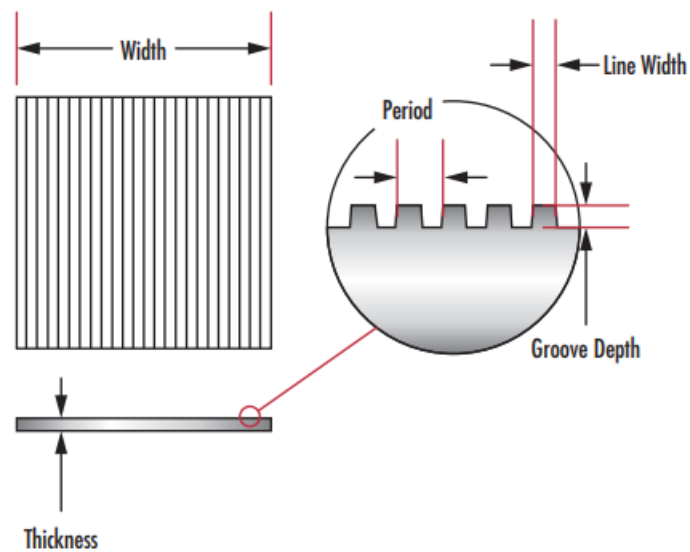


- Nanoscale-Textured Grooved Surfaces
- Variable Groove Period and Groove Depth
- Ideal for Nanophotonics Research Applications

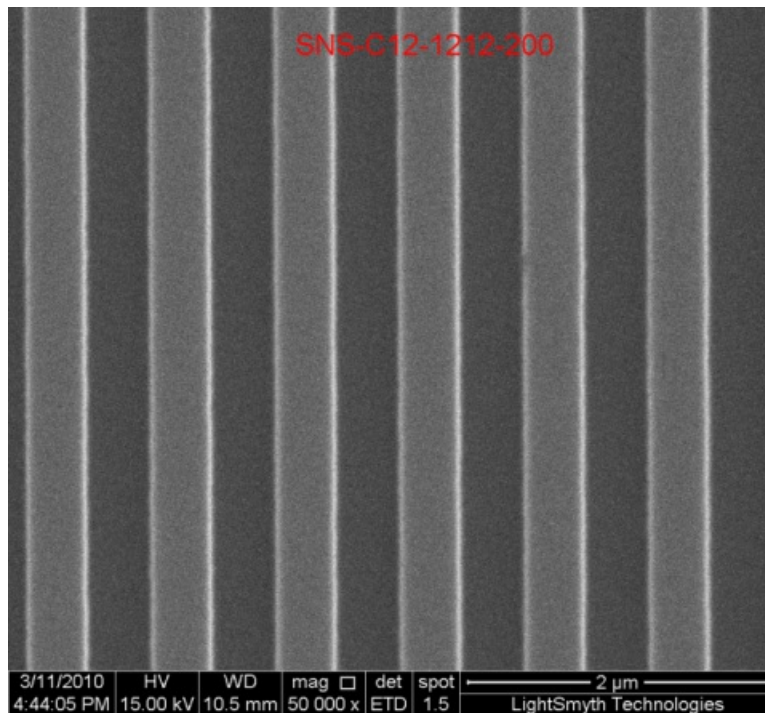
Common Specifications

Physical & Mechanical Properties			
Dimensions (mm):	12.50 x 12.50	Clear Aperture CA (mm):	11.50 x 11.50
Construction:	RIE Grating	Length (mm):	12.50
Thickness (mm):	0.68 ±0.05	Width (mm):	12.50
Optical Properties			
Coating:	Uncoated	Substrate:	Single Crystal Silicon
Surface Quality:	60-40 (within CA)		

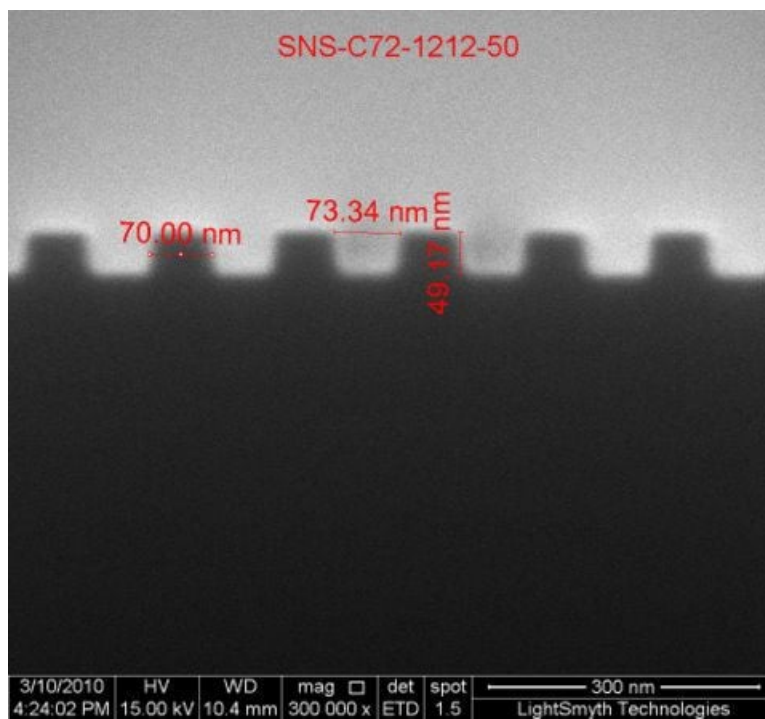
Technical Information



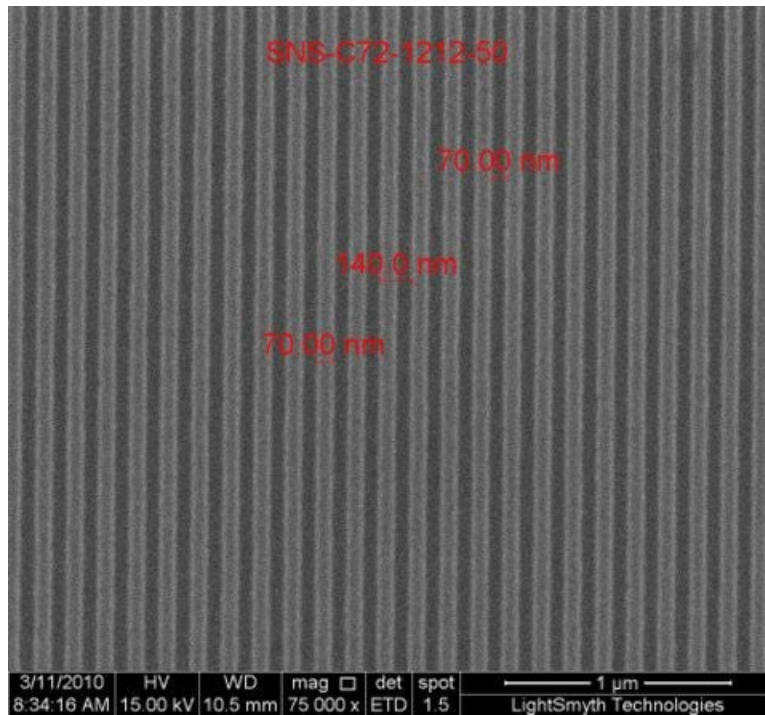
SEM Image of 855nm, 200nm Groove Depth Linear Silicon Nanostamps (Cross Section)



SEM Image of 855nm, 200nm Groove Depth Linear Silicon Nanostamps (Top Down)



SEM Image of 139nm, 50nm Groove Depth Linear Silicon Nanostamps (Cross Section)



SEM Image of 139nm, 50nm Groove Depth Linear Silicon Nanostamps (Top Down)

Products

Period (nm)	Dimensions (mm)	Stock Number	Price	Buy
855	12.50 x 12.50	#16-855	₹45,844	10 to 12 days
139	12.50 x 12.50	#16-857	₹55,746	10 to 12 days



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