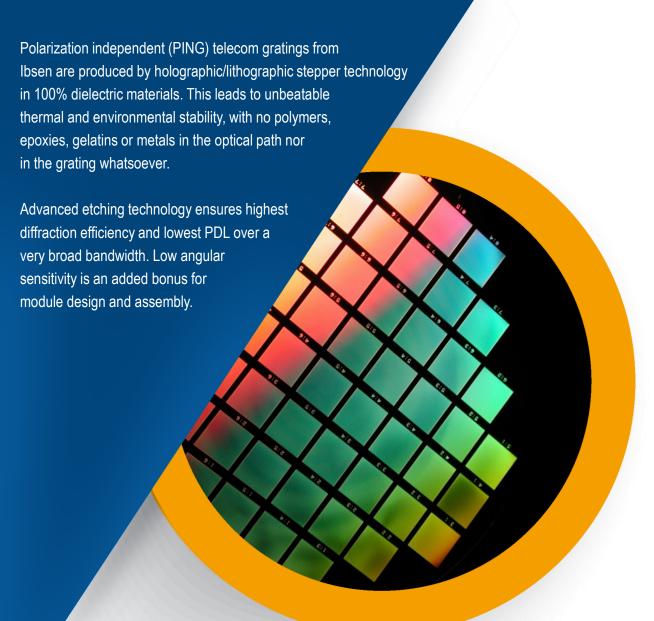
100% dielectric gratings offer unbeatable environmental and thermal stability combined with high efficiency, low PDL performance





PING Grating

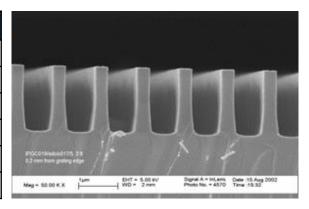
966 I/mm PING Grating for telecom S+C+L-band

PING-966-015d

966 I/mm PING Grating for telecom S+C+L-band

PING-966-015d

Benefits	
High efficiency, low PDL, broad spectral bandwidth	
Transmission gratings give much greater alignment tolerances	
Low transmitted wavefront distortion	
High tolerance to illumination angle of incidence	
Two grating designs are possible, offering compact design possibilities	
Unbeatable thermal & environmental stability & lifetime	



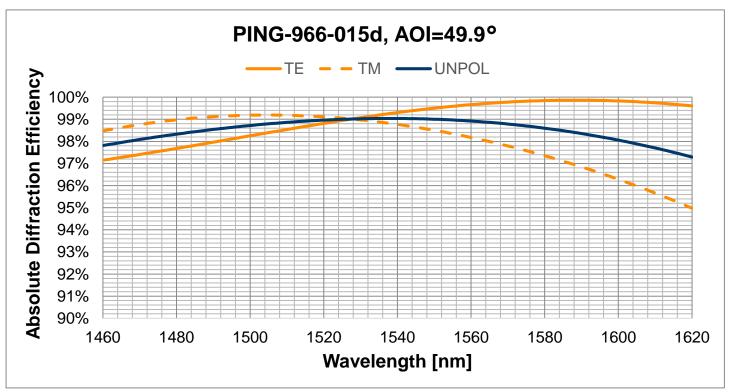
Parameter	Specification
Materials	100% dielectric materials
Grating area	9.5 mm x 6.5 mm
Chip size	12.3 mm x 7.1 mm
Chip thickness	0.625 mm
Grating resolution	966.18 l/mm
PDL	<0.8 dB
Angle of incidence (AOI)	49.9 degrees
Diffraction efficiency (TE & TM)	>85%
Bandwidth	1460 nm – 1620 nm
Production technology	Holographic/lithographic stepper and RIE etching
Maximum operating temperature	>500 degrees C
Pagkaging and shipment	Gelpak containers. Manufactured and sealed in class 10 cleanroom
Cleaning recommendation	First contact. Available from Photonic Cleaning

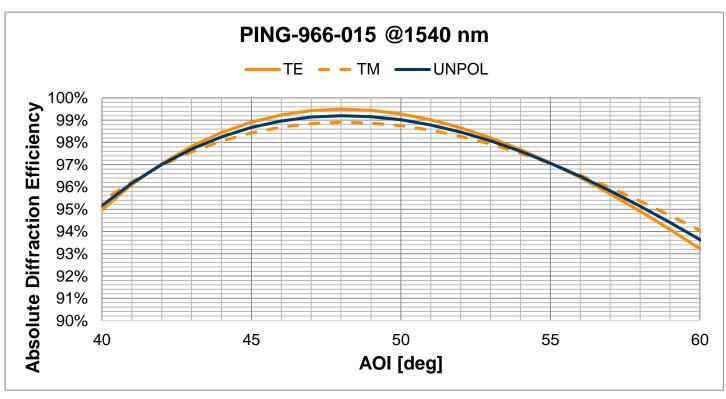


966 I/mm PING Grating for telecom S+C+L-band

PING-966-015d

Typical grating performance



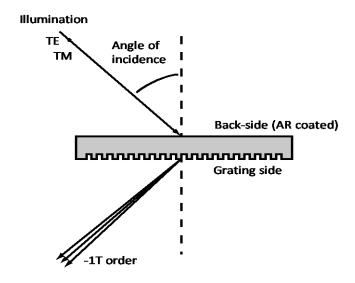




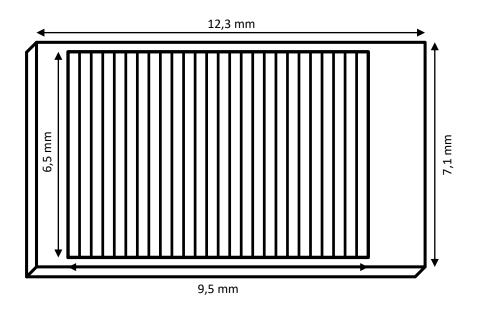
966 I/mm PING Grating for telecom S+C+L-band

PING-966-015d

Configuration/Definitions



Drawing



Specifications are subject to change without notice.

The above grating is an example of Ibsen's capabilities. Ibsen operates as grating partner for our customers, from being an integrated part of the grating and device / instrument design phase, to the manufacturing of prototypes, to volume manufacturing of OEM gratings.

