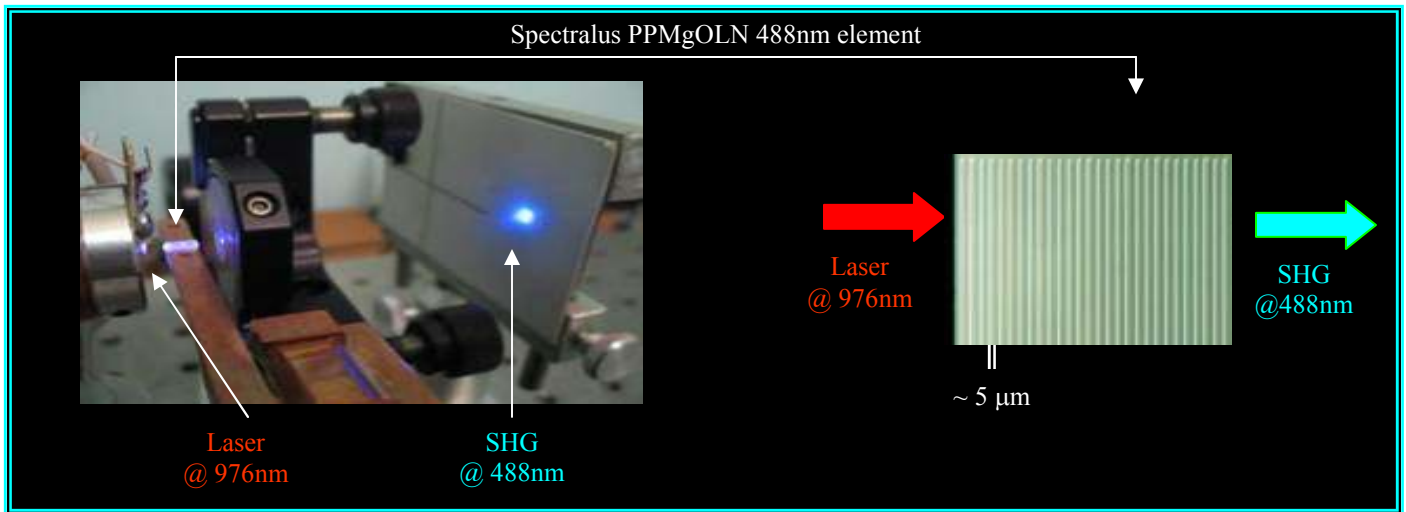




SPST\_PPMgOLN\_488nm\_55C\_T0.5\_W2\_L5mm  
 Spectralus™ 488 nm SHG PPMgOLN  
 Product Specification



Material	Periodically poled 5% MgO-doped LiNbO3 for 488nm second-harmonic generation
Component dimensions	Length 5.0mm Width 2.0mm Thickness 0.5mm
Polishing	Optically polished, both faces
Scratch/dig	10/5
Flatness	$\lambda/8$ @ 632.8nm
Parallelism	30 arc sec
Perpendicularity	5 arc min
Orientation	$\pm 0.5$ deg
GRIIRA damage threshold	2000 kW/cm <sup>2</sup> @532nm (CW)
Nonlinear coefficient for SHG	$d_{\text{eff}} \geq 12$ pm/V
Phase-matching temperature	55°C $\pm$ 5°C for 976=>488nm SHG



Engineering laser colors™