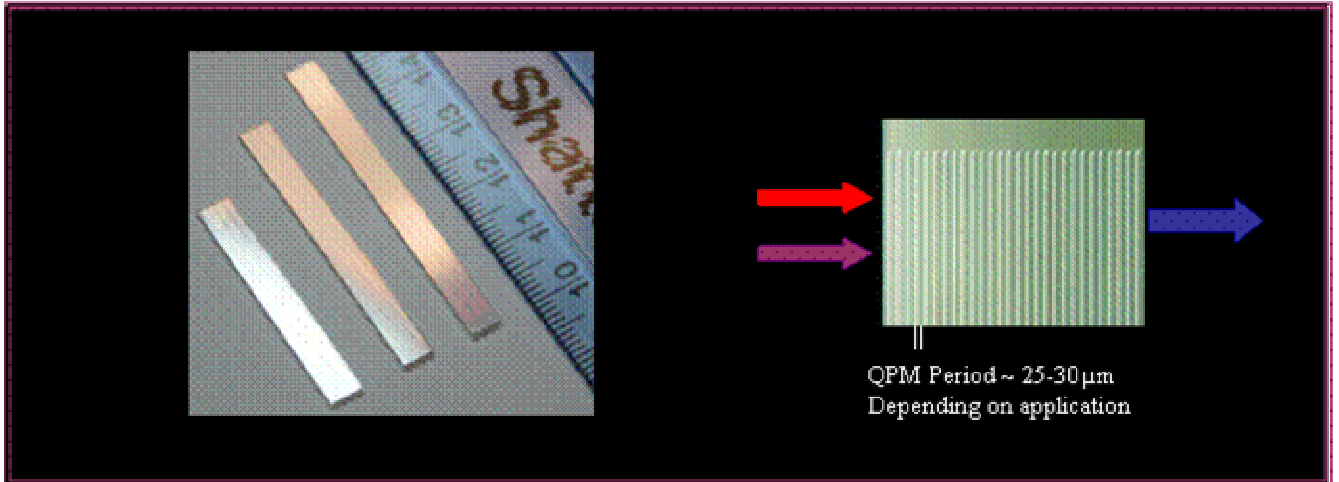




SPST_PPMgOLN_OPO_DFG

Spectralus™ PPMgOLN for OPO & DFG applications

Product Datasheet



Crystal	Periodically poled 5% MgO-doped LiNbO3 for OPO or DFG nonlinear-optics applications
Component dimensions	Length 10mm to 50mm Width 1.0mm to 5.0mm Thickness 0.5mm to 2.0mm (depend on customer-supplied specifications)
Polishing	Optically polished, both faces
Scratch/dig	10/5
Flatness	$\lambda/8$ @ 632.8nm
Parallelism	30 arc sec
Perpendicularity	5 arc min
Orientation	± 0.5 deg
GRIIRA damage threshold	2000 kW/cm ² @532nm (CW)
Nonlinear coefficient	$d_{\text{eff}} \geq 15$ pm/V
Poling period and phase-matching temperature	Depend on customer-supplied specifications



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