

**NEW**

# 785/1064nm Faraday Rotator

Key Isolator Material for Next Generation near IR

Reference exhibit

## Features

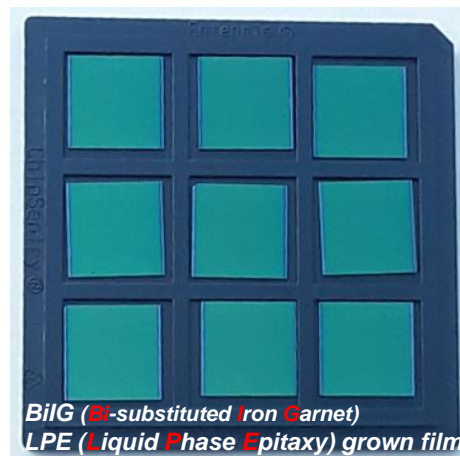
- ✓ LPE grown BiIG film
- ✓ Pb free, RoHS certificated
- ✓ Communication, Lidar and Bio-medical application

## Properties

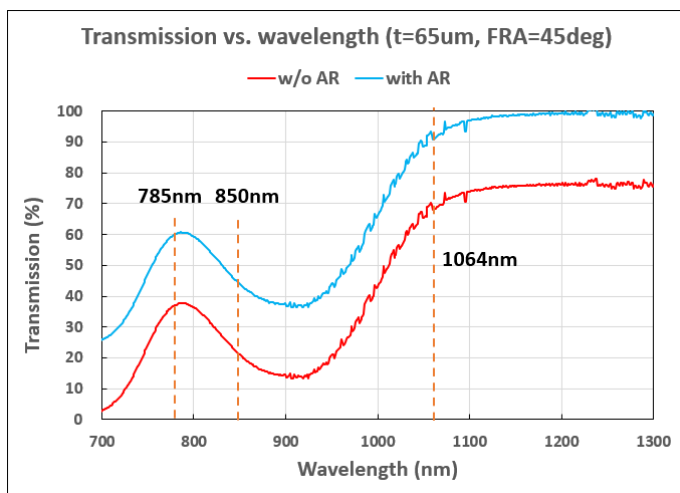
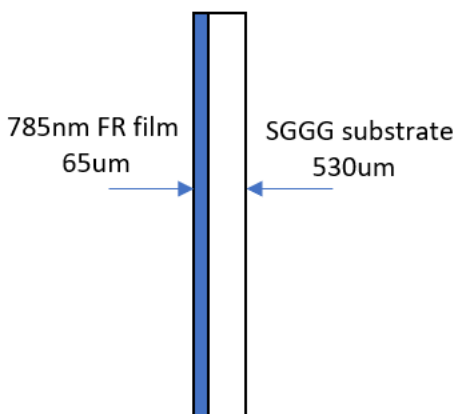
Magneto-optic properties:

at 25°C temperature

Specification	unit	785nm	1064nm
Overall dimension	mm	11x11x0.6t	11x11x0.7t
Faraday rotation angle (FRA)	deg	45 +/- 1	
Faraday rotation coefficient (FRC)	deg/μm	0.7 +/- 0.1	0.25 +/- 0.05
Faraday wavelength coefficient (FWC)	deg/nm	< 0.22	< 0.20
Faraday temperature coefficient (FTC)	deg/°C	< 0.06	< 0.06
Optical insertion loss (IL)	dB	< 2.5	< 0.9
Extinction ratio (ER)	dB	> 35	> 35
Magnetic saturation field (Hs)	Oe	< 1,000	< 1,000



## Standard Element

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