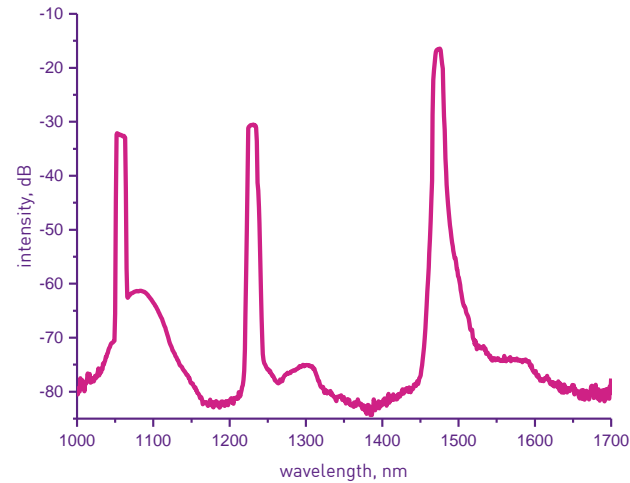


# FBG SPECIFIC APPLICATION TYPE

## FBG RAMAN LASER

### ARTICLE GTL-FBG-RL-880

Highly efficiently multicascaded Raman lasers based on phosphosilicate fibers can be created at different wavelength. Raman shift by 1330 cm<sup>-1</sup> in opposite to Ge-doped fibers is approximately three times larger. Output emission spectrum of two-cascade 1.48 μm Raman fiber laser is presented in the graph.



FBG CHARACTERISTICS	GTL-FBG-RL-880	TOLERANCE/NOTE
Wavelength range, nm	1240,1270,1484	± 0.1 ÷ ± 1 custom request
Types of fiber	Single-Mode, PM, Double clad, LMA	or custom
Reflectivity, %	5 ÷ 99.9	2 ÷ 5 custom request
Bandwidth (WFHM), nm	0.15 ÷ 1.2	custom request
SLSR, dB	~ 8	custom request
FBG Pigtail Length, m	≥ 0.5	or custom
FBG inscription thought the fiber protective coating	Acrylate, Polyimide	or custom
Tensile Strength, kpsi	> 100	
Optical Connector	Bare fiber, FC/APC, LC/APC	or custom

The configuration can be changed at the customer's request. The parameters specified in this specification can be changed in accordance with the terms of reference.