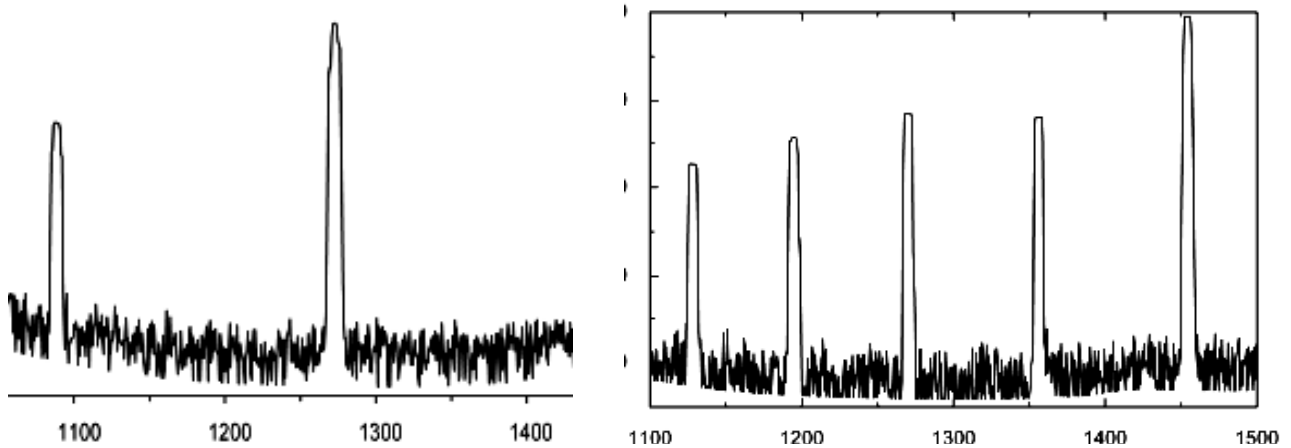


RAMAN FIBER LASER RESONATORS

WAVELENGTH REGION – 1450nm

Multicascaded fiber laser Raman resonators based on phosphosilicate fibers can be created at different wavelength. Raman shift by 1330 cm⁻¹ in opposite to Ge-doped fibers is approximately three times larger.



RESONATORS SPECIFICATIONS	FOLR-1265	FOLR-1450
Central wavelength, nm	1265 ± 0.2	1450 ± 0.2
Spectral bandwidth, nm	0.1 ± 0.05	0.1 ± 0.05
Mode composition of radiation	SM	SM
MFD, μm	7 ± 0.5	7 ± 0.5
Radiation quality	TEM ₀₀ (M ₂ < 1.12)	TEM ₀₀ (M ₂ < 1.12)
Pigtail fiber type, μm	6/125/250	6/125/250
Numerical aperture	0.15	0.15
Operating temperature, °C	- 10 ÷ + 50	- 10 ÷ + 50
Humidity, %	< 80 (non-condensing)	< 80 (non-condensing)
Storage temperature, °C	-20 ÷ +40	-20 ÷ +40
Dimensions (L x W x H), mm	210 x 148 x 13	210 x 148 x 13
Weight, kg	< 1	< 1

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.