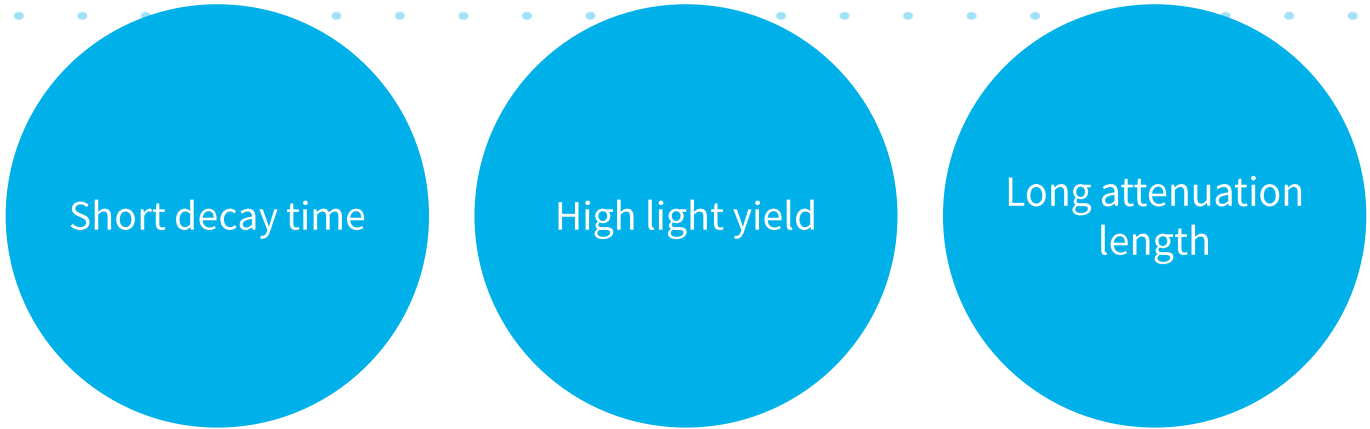


# Short decay time Wavelength shifting fiber YS series (YS-1, YS-2, YS-4, YS-6)



## 1. Feature

- ✓ High responsiveness and almost equivalent optical property compared to conventional wavelength shifting fiber

## 2. Optical Properties

	Y-11 Standard Grade	YS-1	YS-2	YS-4	YS-6
Absorption peak(nm)*1	430	395	422	420	414
Emission peak(nm)*1	476	454	474	470	462
Decay time(ns)*2	6.9	2.7	3.2	1.4	1.3
Attenuation length(m)*3	>3.5	>3.5	>3.5	>3.0	>3.0

\*1 We use styrene monomer solution to measure

\*2 We use small polystyrene plate with dye to measure

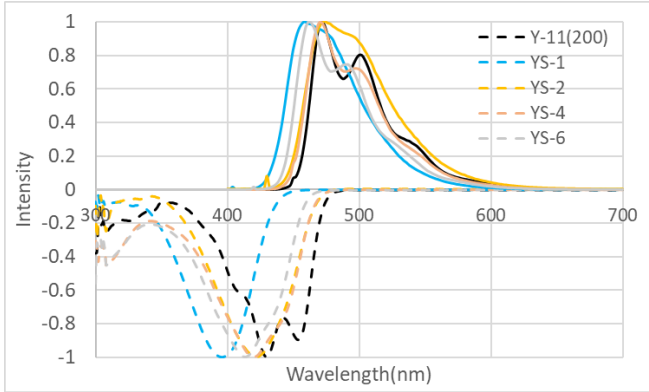
\*3 This value is obtained by measuring fiber(1mmφ non-S multi-cladding)

\*This figure is typical values and not the guaranteed value.

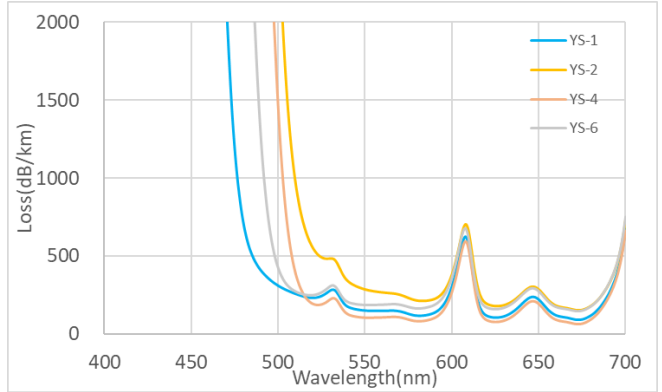
\*Please contact us if you are considering using fiber in a radiation-exposed environment.

## 3. Technical data

### Absorption and Emission Spectra

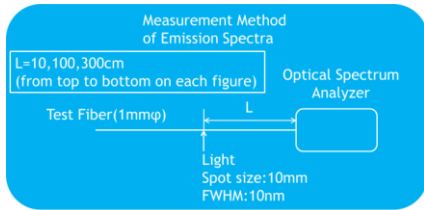


### Transmission Loss

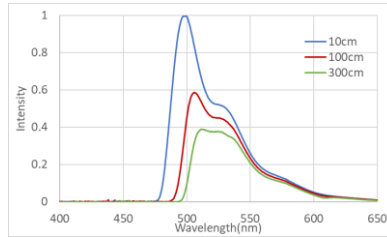


\*These graphs are typical values and not the guaranteed value

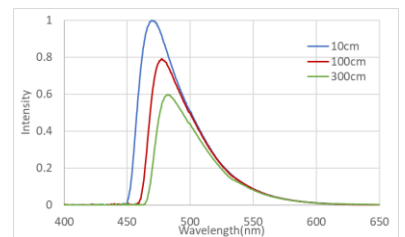
### Emission Spectra of Fiber



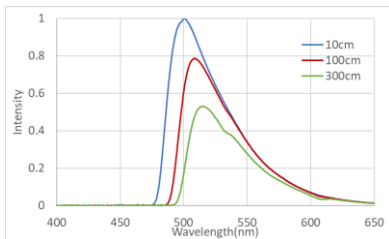
Y-11



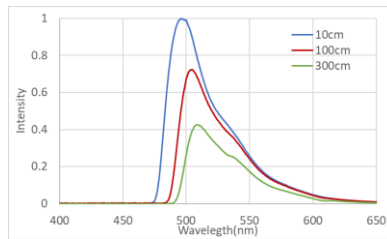
YS-1



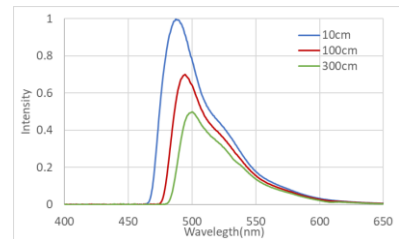
YS-2



YS-4



YS-6



\*These graphs are typical values and not the guaranteed value

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