

## Working standard of wavelength unit for fiber optic transmission system РАДВ

### STRUCTURE OF THE WORKING STANDARD РАДВ

- Working standard of wavelength unit for fiber optic transmission system;
- Network cable;
- Optic cable FC/PC-FC/APC.



Working standard РАДВ includes laser emission sources and emission source with gas-filled cuvettes, possessing normalized absorption spectral lines.

### CHARACTERISTICS OF EMISSION SOURCE ON THE BASIS OF GAS-FILLED CUVETTES

Fixed values of reproduceable lengths of absorption waves of gas-filled cuvettes with gas HF, HCN, C12O, C13O in ranges, nm	from 1260 to 1340 from 1519 to 1554 from 1562 to 1594 from 1596 to 1629
Limit of permissible relative error of definition of wavelength of absorption lines	$5 \cdot 10^{-6}$
Average power of optic emission, not less than, microwatt	50

### CHARACTERISTICS OF LASER SOURCES

Wavelengths of emission sources, nm	$(1310; 1550) \pm 5$
Level of average emission power, dBm, not less than:	
• for 1310 nm	0
• for 1550 nm	10

\*Characteristics of working standard РАДВ can be specified by the Customer's request.

Working standard РАДВ is designed for storage and transmission of a wavelength unit, calibration and verification of optical spectrum analyzers used in the maintenance of fiber-optic transmission systems with spectral multiplexing. Calibration of measuring instruments can be carried out in accordance with P 50.2.069-2009.