

Model: FM-2x

Optical fiber reflector (fiber mirror)

Key design features include:

- Robust *broadband fiber-mirror* with low insertion and polarization dependant losses
- Operating temperatures: from -40 to +65°C
- Good stability
- Connectorized 3mm jacketed fiber pigtail



All-fiber broadband mirrors (FM-2x) are designed and calibrated to operate within wavelength range of:

- 900-1150 nm (model FM-2a)
- 1250-1400 nm (model FM-2b)
- 1500-1590 nm (model FM-2c)
- 1250-1680 nm (model FM-2d)

FM-2x fiber mirrors comes with calibration data specifying device reflectivity and fiber/connector insertion loss (IL) within operating wavelength range. Robust design and good stabilization ensure low device sensitivity to *vibrations* and good measurements reproducibility.

Specifications:

Description	FM-2a	FM-2b	FM-2c	FM-2d	Unit
Operating wavelength range*	900-1150	1250-1400	1500-1680	1250-1680	nm
Maximum optical power	25	25	25	25	dBm
Length	~1				m
Polarization dependant loss	0.3	0.5	0.2	0.5	dB
Typical reflectivity	92	95	95	92	%
Connector type**	FC/APC (SC/APC, LC/APC, ST/PC)				
Fiber type***	Corning Hi-1060; 0.9 mm jacketed		Corning smf-28; 3 mm jacketed		
Operating temperature	-40 to +65				°C

* Other wavelengths and reflectivity (0.03-0.97) can be made on request

** Other connector types can be made on request

*** Other fiber types are available on request

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