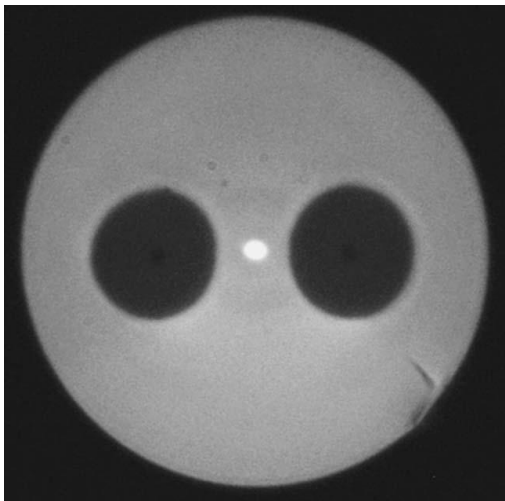
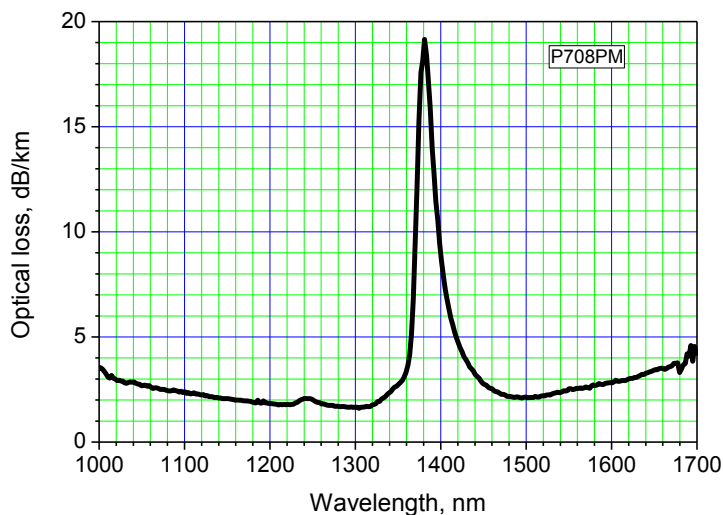


POLARIZATION-MAINTAINING PHOSPHORUS DOPED FIBERS

Article P-SM-5-PM (s/n P708PM)



Fiber image



optical loss spectrum

Fiber specifications

Core Diameter	4.5 μm
Clad Diameter	125 μm
Noncentricity	< 0.6 μm
Core Ellipticity ($[(D_x - D_y)/D_x]$)	< 30 %
Core NA	~ 0.18
Cut-off wavelength	< 1.06 μm

Optical loss

1064 nm	< 3 dB/km
1310 nm	< 2 dB/km
1390 nm	< 20 dB/km
1550 nm	< 3 dB/km

Raman gain

(pump 1060nm; Raman shift 1320 cm^{-1}) > 5 dB/km·W

-PM option (polarization-maintaining fiber)

Fiber type:	PANDA
h-parameter	< $2 \cdot 10^{-4}$
PER:	> 20 dB after 50 m