

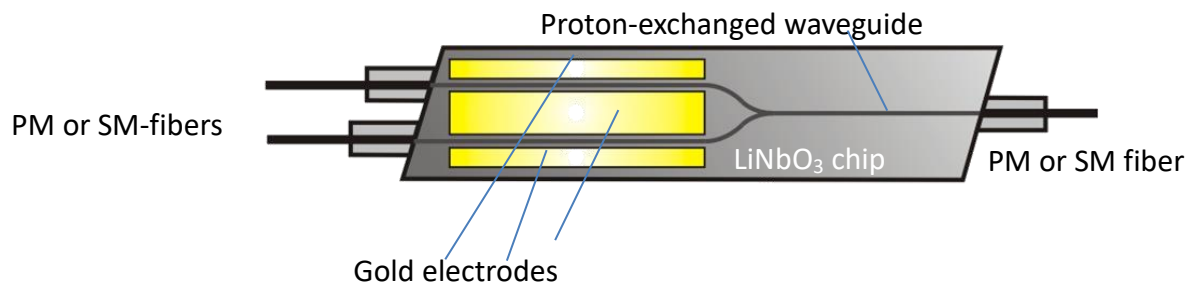
MIOC specification

Parameter	Value
Insertion loss(Pigtailed),dB(P2/P1 and P3 /P1)	<7.5 (typical 6.5)
Excess loss- pigtailed ((P2+P3)/P1) under power coupling both input and output directions – depolarised light	<4.5 (typical 3.5)
Splitting Ratio (Pigtailed), % ratio of P2/(P2+P3) and P3/(P2+P3)	47/53 to 53/47
Polarization Extinction Ratio Chip, dB	>60
Polarization Extinction Ratio at Pigtailed End, dB	>23
Half-wave voltage, $V\pi$, Push Pull Mode	<2.0
Phase modulator Bandwidth, MHz	10

Optolink Fiber specifications for IOC pigtail:

- a) Operating wavelength : 1550 nm
- b) Cut off wavelength : 1250 – 1400 nm
- c) Mode field diameter : 7.3 μm
- d) Cladding diameter : 85 $\mu\text{m} \pm 2 \mu\text{m}$
- e) Coating diameter : 175 $\mu\text{m} \pm 5\%$
- f) Coating layer : Dual layer Acrylate
- g) Numerical Aperture : 0.14 – 0.18
- h) Attenuation : < 2 dB/km
- i) Polarization cross talk : - 30 dB
- j) h- parameter : $1 \times 10^{-5} \text{ m}^{-1}$
- k) Pigtail length : 1 meter
- l) Type of fiber : PANDA

Configuration



Typical Packages

