

TECHNICAL DATA INFRARED FILTERS  
**3.91 $\mu$ m Band Pass Filter**

**2% grade infrared band pass filter for 3.91 $\mu$ m**  
**Matched to gas**

**none – reference channel**

**Specification**

Center wavelength (CWL)	3.91 $\mu$ m
CWL tolerance	$\pm$ 80nm
Half power bandwidth (HPB)	90 nm
HPB tolerance	$\pm$ 20 nm
HPB / CWL	2.3%
Peak transmittance	>76%
Average transmittance from visual to band pass region	$\leq$ 0.1%
Peak transmission value from visual to band pass region	$\leq$ 1%
Peak transmittance from band pass region to 8 $\mu$ m	<1%
Typical filter thickness	0.525 mm
Substrate material	Silicon, $\varnothing$ 100 mm

**Sample curve**

