

TECHNICAL DATA INFRARED FILTERS

**4.26 $\mu$ m Band Pass Filter**

**4% grade infrared band pass filter for 4.26  $\mu$ m**

**Matched to gas**

**CO<sub>2</sub>**

**Specification**

Center wavelength (CWL)	4.26 $\mu$ m
CWL tolerance	$\pm 1\%$
Half power bandwidth (HPB)	180 nm
HPB tolerance	$\pm 20$ nm
HPB / CWL	4.2%
Peak transmittance	>73%
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

**Sample curve**

