



# NEOS TECHNOLOGIES

A Gooch & Housego Company

## DEVICE SPECIFICATIONS

### MODEL NUMBERS:

**23080-1-1.06-LTD-FO**  
**23080-1-1.06-LTD-FO-HP**  
**23080-1-1.06-LTD-FO-2HP**

**DOCUMENT NUMBER: 56A14909G**

<u>PARAMETER</u>	<u>SPECIFICATION</u>	
Interactive Material	TeO <sub>2</sub>	
Acoustic Mode	Longitudinal	
Operating Wavelength	1060 nm	
Window Configuration	AR Coated	
Operating Frequency	80 MHz	
Back Reflection	-30 dB	
Throughput Loss *	2.5 dB maximum	
On/Off Contrast Ratio	40 dB minimum	
Light Polarization	Random	
Rise Time	50 ns	
RF Power Level	< 1.25 Watt	
Impedance	50 Ohms	
VSWR	< 1.2:1 @ 80 MHz	
Optical Power Capability for models:		
<b>23080-1-1.06-LTD-FO:</b> < 0.5 Watts @ 1.06 nm (Used external to laser cavity)	<b>23080-1-1.06-LTD-FO-HP:</b> 0.5 Watts to 2 Watts @ 1.06 nm (Used external to laser cavity)	<b>23080-1-1.06-LTD-FO-2HP:</b> 0.5 Watts to 2 Watts @ 1.06 nm (May be used internal to laser cavity)
Packages: 53B0946	53D3030	53D3031
Fiber Connectors	FC/PC, FC/APC, or others optional	
Fiber type:	Single mode 6/125, 1 meter long Polarization maintaining, 6/125 optional	
Operating Manual:	Use Latest Revision.	51A17785
Acceptance Test Results form:		52A7025
Recommended Drivers:		
Analog Driver System: 21080-1AS		Digital Driver System: 21080-1DS
Analog Driver Module: 21080-1AM		Digital Driver Module: 21080-1DM

\* Not including loss at connector interfaces

**For More Information, Contact: [neos@neostech.com](mailto:neos@neostech.com) Ph. (321) 242-7818 Fax (321) 242-1019**