



Laser Lab Instruments

Detectors

Power Meters

CCD Camera

Spectrometer

Optical Chopper

Beam Profiler & Fabry-Perot

Digital Delay Generator

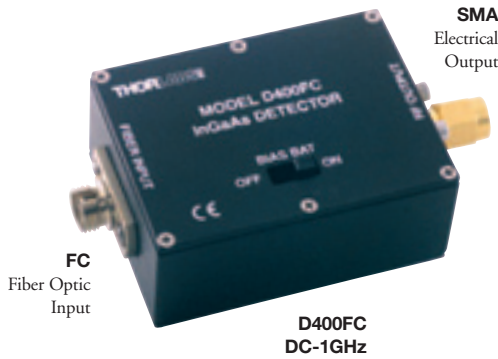
Temperature Controller

Filter Wheel & Shutter

1GHz InGaAs Fiber Optic Photo Detector

The D400FC is a DC to 1GHz optical-to-electrical converter module. The unit is completely self-contained and is designed as an input module to convert electronic test equipment into an optical system.

For free-space beams, we recommend using our fiber coupling package mounted in a kinematic mount. This combination allows for easy coupling of free-space beams into the D400FC. Fiber collimation packages on page 834.



D400FC Features

- 800 to 1800nm Spectral Range
- 100ps Typ. Rise & Fall Times
- Attach to Single-Mode or Multi-Mode Devices
- 0.9 A/W Typical @ 1550nm
- 0.8 A/W Typical @ 1300nm

ITEM#	\$	£	€	¥	RISE/FALL TIME	DARK CURRENT	SPECTRAL RESPONSE	BANDWIDTH
D400FC	\$ 269.00	£ 201.75	€ 282,45	¥ 45,730	100ps	1nA Typ. (5nA Max.)	800-1800nm	1GHz

1) Linear operating range up to 1mW typ.
2) Requires 50Ω Termination (see page 742)

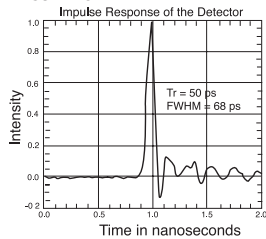
ITEM#	\$	£	€	¥	SIZE	VOLTAGE	DESCRIPTION
A23	\$ 3.98	£ 2.98	€ 4,18	¥ 677	A23	12V	Replacement Battery

2GHz to 7GHz Optical Detector Packages

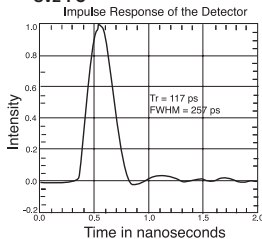
This series of GHz bandwidth photodetector packages provides the same ease-of-use as our extremely popular DET family of products. All of these detector packages are manufactured with state-of-the-art microwave qualified parts. Each unit is individually tested to ensure compliance with our specifications; a complete test report comes with every serialized detector package.



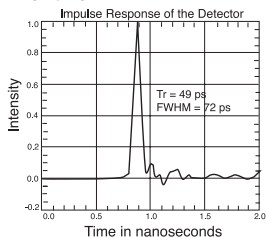
SUV7-FC



SV2-FC



SIR5-FC



SV2-FC, SIR5-FC & SUV7-FC Specifications

	SV2-FC	SIR5-FC	SUV7-FC
Material	Si	InGaAs	GaAs
Bandwidth	2GHz	5GHz	7GHz
Wavelength Range	320-1100nm	900-1650nm	350-850nm
Fiber Input	FC/PC	FC/PC	FC/PC
Output Impedance	50Ω	50Ω	50Ω
Maximum Safe Output	2.5V	2.5V	2.5V
Minimum Rise Time, t	175ps	70ps	45ps
Max. on Time*			1µsec
Max. Duty Cycle*			1% @500mW Peak
Dark Current	0.1nA	0.1nA	5nA

*The SUV7-FC has a very fast risetime response designed specifically to capture the structure of input pulses. Continuous waveforms consisting of a DC offset, such as a sinusoid, will heat up the detector material causing degraded performance. For high pulse rep rates it may be necessary to attenuate the input light levels to minimize this heating effect.

ITEM#	\$	£	€	¥	DESCRIPTION
SV2-FC	\$ 574.00	£ 430.50	€ 602,70	¥ 97,580	Detector Package Si 2GHz FC Fiber Input 320 to 1100nm
SIR5-FC	\$ 984.00	£ 738.00	€ 1,033,20	¥ 167,280	Detector Package InGaAs 5GHz FC Fiber Input 900 to 1650nm
SUV7-FC	\$ 1,420.00	£ 1,065.00	€ 1,491,00	¥ 241,400	Detector Package GaAs 7GHz FC Fiber Input 350 to 850nm
SBP20	\$ 68.00	£ 51.00	€ 71,40	¥ 11,560	20 Volt Replacement Battery Pack for SV2-FC, SIR5-FC & SUV7-FC Packages