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TECHNOLOGY GROUP

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Find the *Newport / New Focus 0921* at our website: *Click HERE*

New Focus™



SI 125-MHZ PHOTORECEIVER MODEL 1801-FS

The visible Model 1801 offers a well-balanced combination of gain, bandwidth, and low noise over the DC-125-MHz frequency range. Because of their high transimpedance gain and low noise-equivalent power (NEP), they offer the best in sensitivity for signals with rise and fall times as short as 3 ns. This high sensitivity, combined with their high-level output, reduces the effects of downstream noise sources. Wavelength range for the Model 1801 is 320-1000 nm.

Model Options

None Selected
AC Coupled
AC Coupled Metric Version
Metric Version

SPECIFICATIONS | TECHNICAL DRAWINGS | ADDITIONAL INFORMATION | RELATED PRODUCTS

Wavelength Range	320-1000 nm
3-dB Bandwidth (DC versions)	125 MHz
3-dB Bandwidth (AC versions)	25 kHz-125 MHz
Rise Time	3 ns
Maximum Conversion Gain	$2x10^4$ V/W
Typical Maximum Responsivity	0.5 A/W @ 800 nm
Transimpedance Gain	$4x10^4$ V/A
Output Impedance	50 Ω
Minimum NEP	3.3 pW/$\sqrt{Hz}$
cw Saturation Power	110 µW @ 800 nm
Maximum Pulse Power	10 mW
Detector Material/Type	Si/PIN
Detector Diameter	0.4 mm
Power Requirements	±15 V DC, <250 mA
Optical Input	Free Space
Electrical Output	SMA
DC-Bias-Monitor BW (AC Version only)	50KHz
DC-Bias-Monitor Transimpedance Gain (AC Version only)	10V/mA

For more information call 1-866-NUFOCUS (international customers, dial + 1-408-919-1500).

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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We're here to make your life easier. How can we help you today?

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