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TECHNOLOGY GROUP

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New Focus™



INGAAS 125-MHZ PHOTORECEIVER MODEL 1811-FS

The near-IR Model 1811 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 1811 is 900-1700 nm.

Model Options

None Selected
AC Coupled, add $210
AC Coupled Metric Version, add $210
Metric Version, add $0

SPECIFICATIONS | TECHNICAL DRAWINGS | ADDITIONAL INFORMATION | RELATED PRODUCTS

Wavelength Range	900-1700 nm
3-dB Bandwidth (DC versions)	125 Mhz
3-dB Bandwidth (AC versions)	25 kHz-125 MHz
Rise Time	3 ns
Maximum Conversion Gain	$4x10^4$ V/W
Typical Maximum Responsivity	1.0 A/W @ 1550 nm
Transimpedance Gain	$4x10^4$ V/A
Output Impedance	50 Ω
Minimum NEP	2.5 pW/$\sqrt{Hz}$
cw Saturation Power	55 µW @ 1550 nm
Maximum Pulse Power	5 mW
Detector Material/Type	InGaAs/PIN
Detector Diameter	0.3 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 Scientific - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisan-scientific.com

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

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