



Fixed Gain Amplified Balanced Photo Detector (DC–200 MHz)



Product Specifications

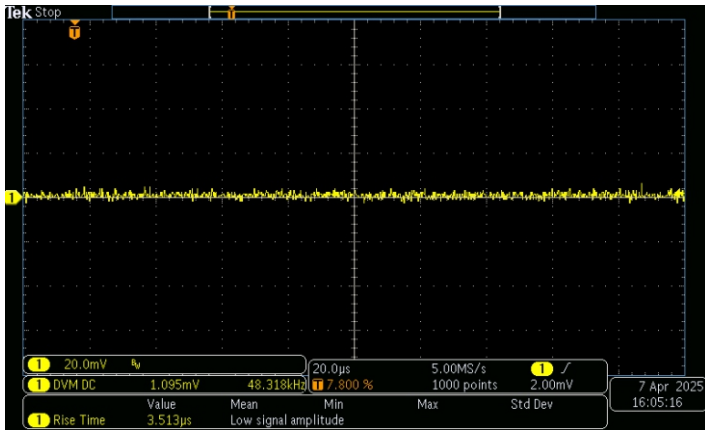
Parameter	Specification
Material	InGaAs/PIN
Wavelength Range	800 - 1700 nm
BW Max Responsivity (Typ.)	1.0 A/W
Active Detector Diameter	0.15 mm
Bandwidth (3 dB)	DC - 200 MHz
Rise Time	<2 ns
RF OUTPUT Conversion Gain	30×10^3 V/W @ 1550 nm
Transimpedance Gain	30×10^3 V/A
Optical Inputs	FC/APC Compatible
RF Output Connector Type	SMA Female
Monitor Output Bandwidth	DC - 1 MHz
CMRR	>25db
CW saturation power	55 μ W
Monitor Gain	10V/mW

Power Supply (Compatible with DC-200 MHz Detector)

Parameter	Specification
DC Output	± 12 VDC
Output Current	250 mA
Input Voltage	100 VAC/120 VAC/230 VAC
Output Power (Rated)	6 W (Max)
Input Current	0.25 A / 0.5 A (Max)

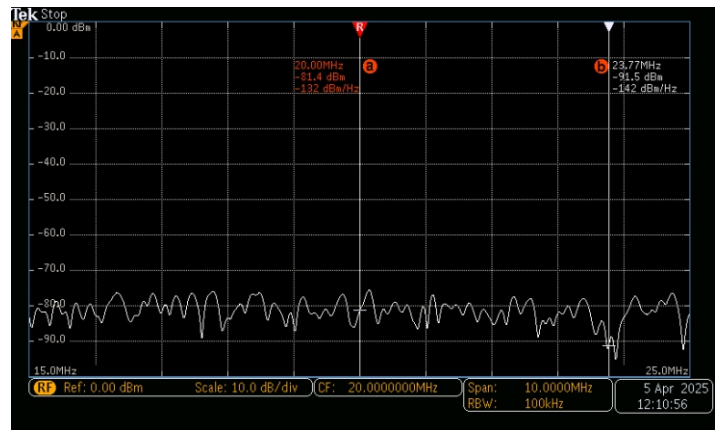


Detector output offset voltage

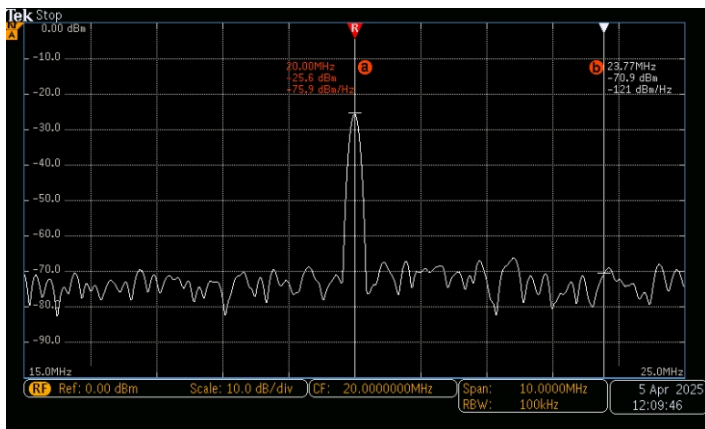


Detector common mode rejection ratio

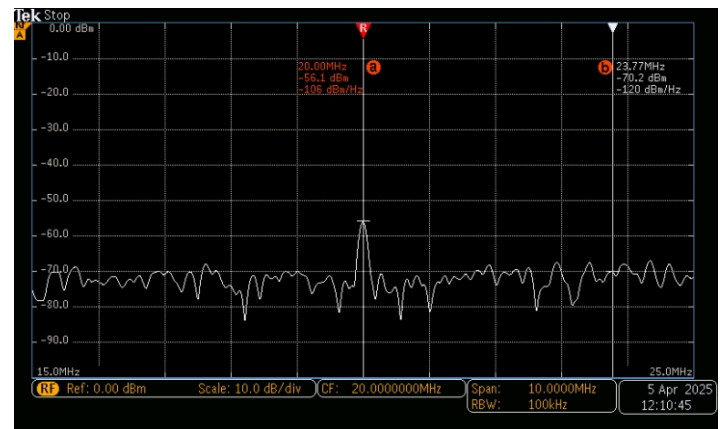
Spectrum analyzer noise floor



Unbalanced mode



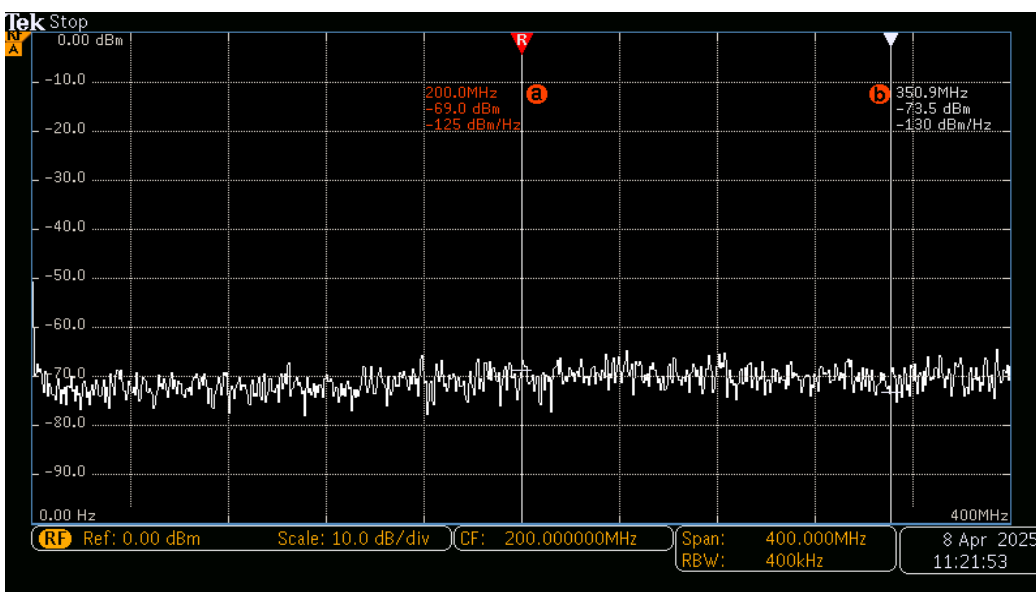
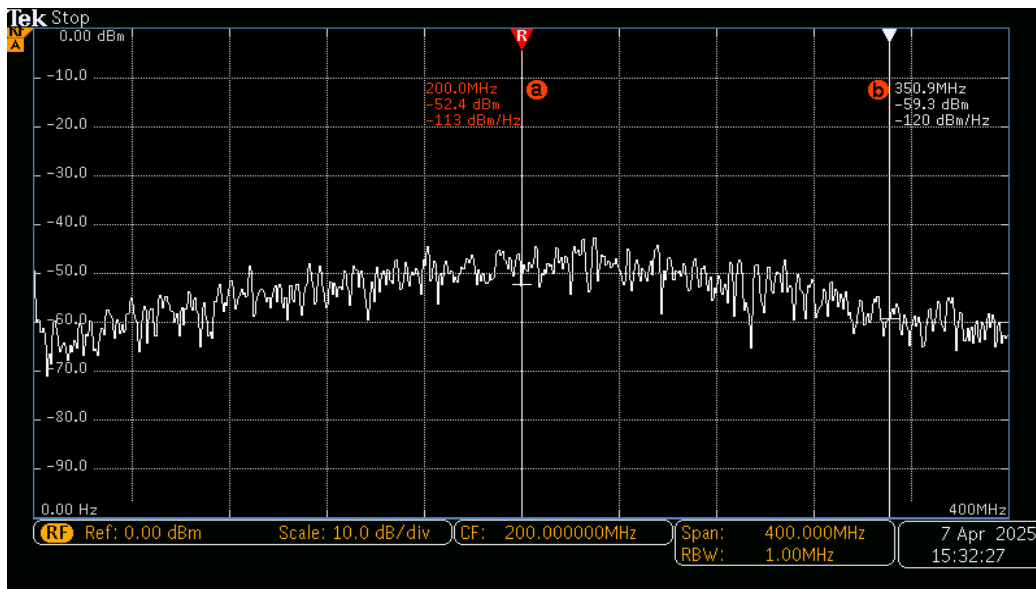
Balanced mode





Detector Spectral noise

Detector Analyzer Noise Floor





Detector Pulse Response

