

IR detection modules			PDMxx		
Model	PDM34	PDM38	PDM42	PDM47	PDM55
Peak wavelength, $\mu\text{m}$	3.4	3.8	4.2	4.7	5.3
Current/voltage conversion coefficient, V/A	250 000				
$U_{\text{rms}}$ , mV	$\sim 10$				
Output signal, V	$0 \div 2.5$				
Power supply, V	$\pm 2.5$				
Bandwidth, kHz	PDMxxHF	$1 \div 1000$			
	PDMxxDC	$\text{DC} \div 20$			

Preamplifiers			AmpYY	
Current/voltage conversion coefficient, V/A	$10^5$	Bandwidth, kHz	AmpHF	$0.5 \div 1000$
$U_{\text{rms}}$ , mV	$\sim 10$ mV		AmpDC	$\text{DC} \div 20$
Output signal, V	$0 \div 4$ V	Power supply, V	$\pm 5$ V	

PDMxxYY

AmpYY

**Product view**

**Features**

Compact size; Uncooled detector; Easy to use; Operation from DC to HF; Highest long term stability

PDMxx is the IR detection module. It includes transimpedance preamplifier integrated with infrared detector. This detection module is dedicated to high speed or DC infrared measurements. Each preamplifier is carefully optimized to work with particular type of photodiode.

