

Parameter	Condition	Min	Typical	Max	Units
Supply Voltage	Power Jack connector	5.75	6	6.25	V
Supply Current		15	50	150	mA
Active Area (diameter)			16		µm
Wavelength Range		950		1650	nm
Dark Count Rate (DCR)	Changes with excess bias voltage		200k		Counts/s
Output Pulse Width			40		ns
Output Pulse Amplitude	TTL	4	4.2		V
Timing Resolution (jitter)	at 200k counts/s		0.2		ns
Count Rate before Saturation	at 200k counts/s DCR		5	8	Mcounts/s
Photon Detection Efficiency	at 1550 nm & 200k counts/s DCR	10			%
Dead Time			105		ns
Excess Bias Voltage *	Adjustable				V
Input Type	Single Mode Fibre (SMF)				
Operating Temperature	Ambient	18	22	26	°C
Dimensions			100 x 50 x 30		mm
Weight				350	g
Output Connector (impedance)	SMA		50		Ohm Ω

\* The excess bias voltage should be adjusted minimum before use, with the trimpot's top screw.