

PIN / APD receiver selection

Requirements worksheet

Fill in the fields, or print this page. Record your requirements and test conditions.

This worksheet does not set product ratings. Confirm the exact model and its limits.

Use up to 120 characters per field. Put extra details in the quote form.

01 APPLICATION AND DETECTOR

Application / candidate model

PIN or APD / detector only or detector + TIA

02 OPTICAL INPUT

Wavelength and range (nm)

Minimum / maximum power, with units

Power reference point / tap ratio, if used

CW or pulsed / pulse width and peak power

03 SIGNAL AND ACCEPTANCE CRITERIA

Data rate and format, or signal bandwidth

Target sensitivity and test conditions

Bit-error rate / extinction ratio, if applicable

Rise time / noise / gain requirements

04 ELECTRICAL AND ENVIRONMENTAL LIMITS

Detector bias / polarity / gain conditions

TIA supply / output interface / load

Operating temperature and reference point

Bias control / protection requirements

05 MECHANICAL FIT AND DELIVERY REQUIREMENT

Fiber / connector and polish / pigtail length

Package / pinout / drawing revision

Sample quantity / later quantity estimate

Required date / other conditions

Keep detector bias and TIA supply separate. Use comparable conditions for sensitivity.

Use the guide, then copy your requirements into the DTNT Request a Quote form.