

Photodiodes with TO-18 footprint:

Farnell 1495575  
Hamamatsu S5973  
D= 400um active area  
Cd=1.6 pF @ Vr=3V3

Thorlabs FDS015  
D=150 um active area  
0.65pF @ Vr = 5 V

Thorlabs FDS025  
D= 250 um active area, with ball lens  
0.94 pF @ Vr = 5 V

Hamamatsu S5972  
D= 800um active area  
3 pF @ Vr = 10 V

Hamamatsu S5971  
D= 1.2 mm active area  
3 pF @ Vr = 10 V

OSI FC1-125G-006HRL  
Hamamatsu S9055(-01)

TIASim predictions (<https://github.com/aewallin/TIASim>)

Fast detector:  
Diode FDS015, RF 1.2 kOhm, CF 0.6 pF gives BW-3dB: 452 MHz

Slow detector:  
Diode S5973, RF 1 Mohm, CF None, BW-3db: 3.5 MHz

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