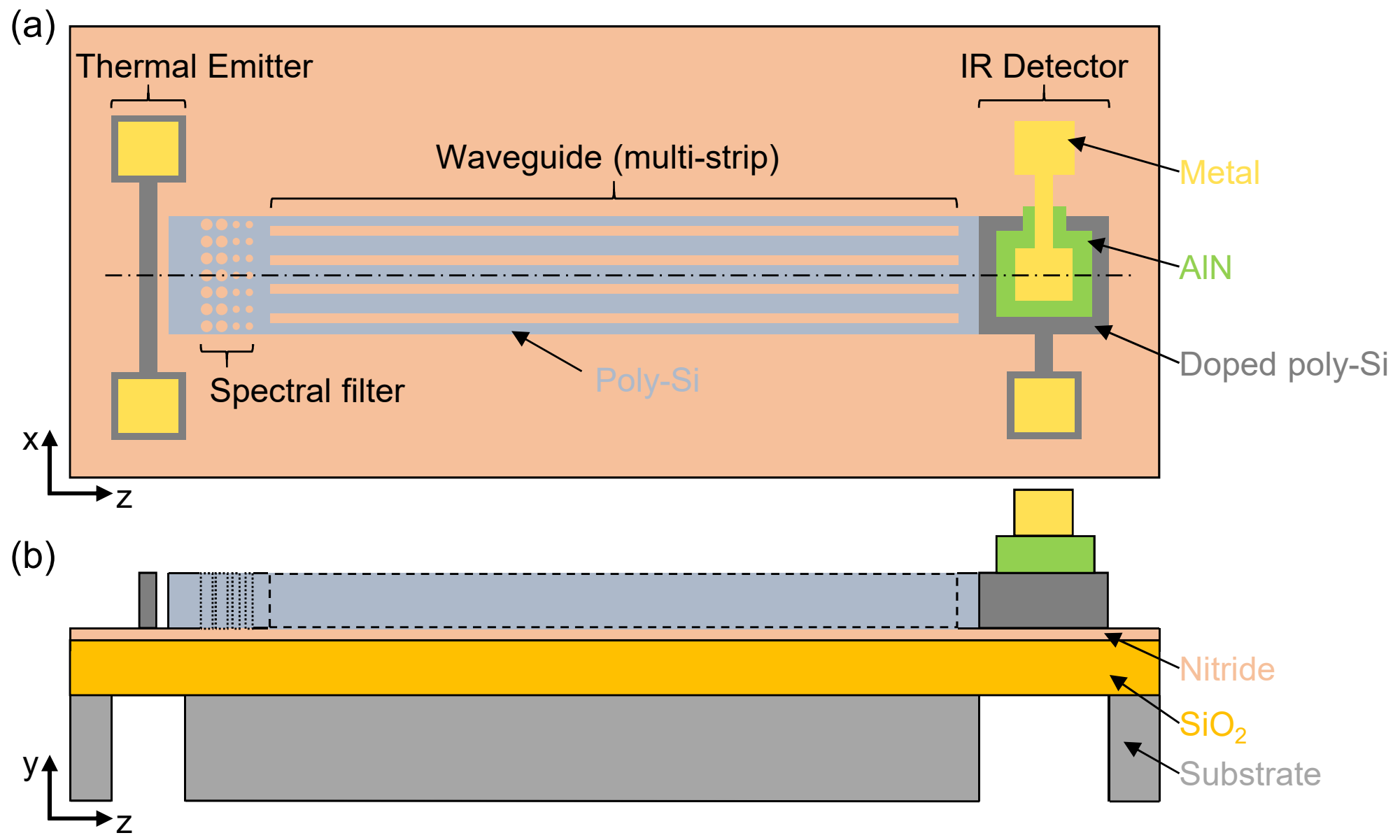
(a)
Thermal Emitter
IR Detector
Waveguide (multi-strip)
Metal
AlN
Doped poly-Si
Poly-Si
Spectral filter
x
z
(b)
Nitride
SiO_2
Substrate
y
z