

18.10.2012 / T. Tuuva

BM30A0601 Optoelectronics

No material is allowed. You can also answer in Finnish.

1. What are the different noise sources in a photo diode?
2. What is causing the signal loss in an optical fiber?
3. Describe structure and operation of a Light Emitting Diode (LED).
4. Explain Snell's Law and Total Internal Reflection (TIR).