

Type: **END11**
 Part No.: **For short wavelength**
ENQD111E7A (Transmitter)
ENQD112E7A (Receiver)

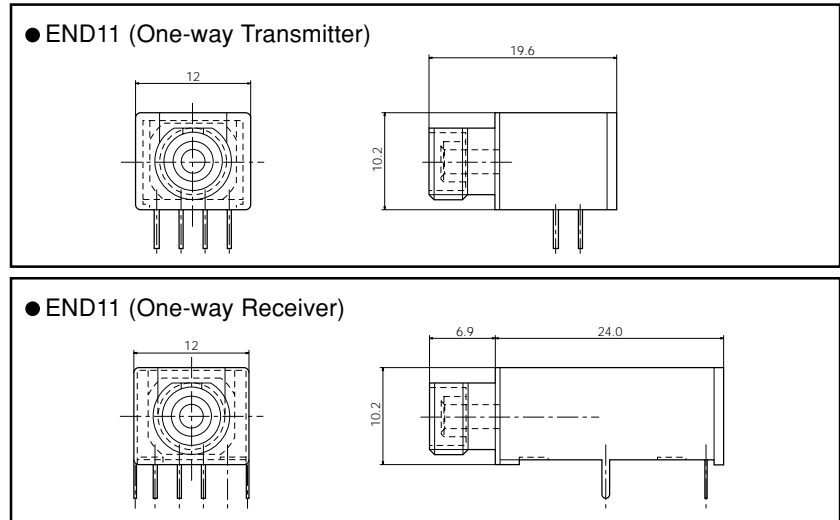
Features

- Data transmission rate: 4 Mbps
- Compact size
- JIS F01 (FC) connector
- Auto Threshold Control circuit
- ※ Transmitter module requires LED drive circuit

Recommended Applications

- FA LAN
- OA LAN
- Measurement System

■ Dimensions in mm (not to scale)



■ Specifications

Items	Specifications
1. Transmission Distance	0 to 3 km
2. Output Interface	TTL
3. Optical Detector	Infrared LED
4. Optical Source	PIN - PD
5. Applicable Fiber	Silica glass GI 50 / 125

■ Ratings

Items	Ratings	Notes
1. Operating Voltage Range	5 ± 0.25 V	—
2. Operating Current	Transmitter 50 mA max.	IF = 50 mA Vcc = 5 V 2.0 MHz duty 50% output open
	Receiver 50 mA max.	
3. Operating Temperature Range	0 to 60°C	—

■ Characteristics

Items	Characteristics	Conditions
1. Transmission Speed	DC to 4 Mbps ※	NRZ
2. Peak Emission Wavelength	860 nm typ.	—
3. Output Optical Power	-18 dBm min.	IF = 50 mA
4. Min. Detectable Level	-27 dBm max.	Vcc = 5.0 V 2.0 MHz duty 50% Pulse breadth variation ± 20% with in (B.E.R = 10 ⁻⁹ typ.)
5. Max. Detectable Level	-15 dBm min.	

※ Actual speed determined by surrounding circuit design

Rev.02/04

Design and specifications are subject to change without notice. Contact Panasonic for the latest technical specifications before purchase and/or use. Should any doubt concerning safety arise when using this product, please contact us immediately for further technical consultation.