

### ● Features:

1. Uni-directional data transmission using plastic fiber.
2. High speed signal transmission.
3. Operating voltage: 4.7 to 5.5V.
4. TTL and high speed C-MOS logic compatible.
5. Compatible Toshiba Toslink.
6. Good ESD protection: up to 7KV.
7. This product doesn't contain restriction substance, comply ROHS standard

### ● Descriptions

The light receiving unit is a standard-package product with connector and opto-electric component packaged with PD and I/V amplifier IC. The function of unit changes the light signal into electric signal.

The unit is operated at +5V and the input signal is TTL compatible. The BFRX-1001/H4 has a maximum operating speed of 12 Mbps.

### ● Application:

- ◆ Audio equipment
- ◆ Automobile
- ◆ Digital audio
- ◆ PC, Notebook
- ◆ Sound card

### ● Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Rating	Unit
Storage temperature	Tstg	-40 to + 70	°C
Operating temperature	Topr	-20 to + 70	°C
Supply voltage	Vcc	-0.5 to + 7	V
Low level Output Current	I <sub>OL</sub>	5	mA
High level Output Current	I <sub>OH</sub>	-1	mA
Soldering temperature	Tsol	260 <sup>(1)</sup>	°C

**Note<sup>(1)</sup> Soldering time ≤ 5 seconds (More than 1mm apart from package).**

### ● Package Dimensions

