

FEATURES

- **DESIGNED FOR SONET/SDH/ATM SYSTEMS**
- **REFLOW SOLDERABLE SMD HOUSING**
- **COMPACT SIZE:**
10 x 26 x 3 (mm)
- **LOW POWER CONSUMPTION:**
0.6 W TYP
- **POWER SUPPLY VOLTAGE 3.3 V**
- **WIDE OPERATING TEMPERATURE:**
-40 to 85°C

MAJOR PERFORMANCE

- **DATA RATE:**
2488.32 Mbps (STM-16, OC-48)
- **DATA FORMAT:**
Scrambled NRZ (Scrambler not included)
- **TRANSMISSION CABLE:**
Single mode fiber, SI-10/125

APPLICATIONS

- **TELECOMMUNICATIONS NETWORKS:**
SONET OC-48 SR-16 Interface compatible
(Bellcore GR-253-CORE requirement)
SDH STM-16, I-16 Interface Compatible
(ITU-T Recommendation G.957)

PIGTAIL ORDERING INFORMATION¹

| Pigtail Optical Connector | Fiber Code Length | Product Number |
|---------------------------|-------------------|-------------------|
| SC | 51 to 55 cm | OD-S524-SCFPC-SM |
| FC | | OD-S524-FCFPC-SM |
| MUJ | | OD-S524-MUJFPC-SM |

NOTE:

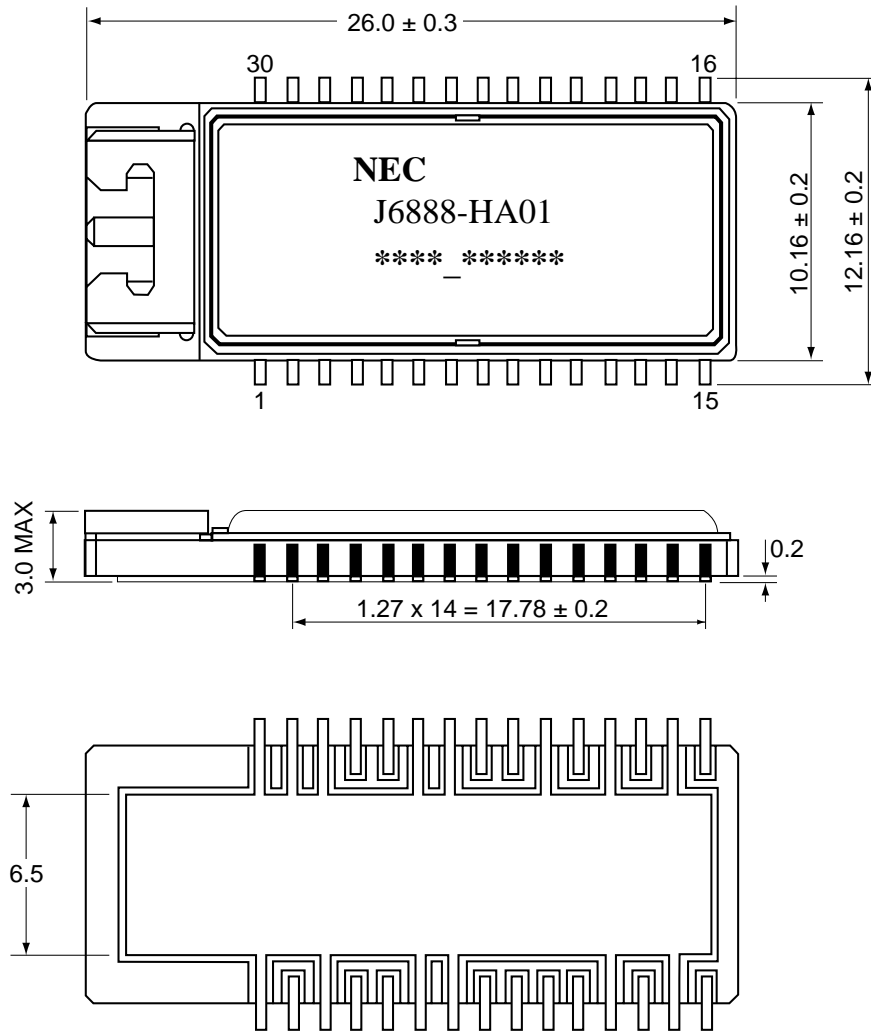
1. Pigtail is not included with the product. A separate order is required.

PERFORMANCE CHARACTERISTICS (OD-J6888-HA01)

| Items | Performance |
|--------------------------------------|--|
| Transmission Speed | 2488.32 Mbps |
| Data Format | Scrambled NRZ (External Scrambler is Required.) |
| Pigtail Fiber | SMF 550 nm each Optical Connector: SC, FC, MUJ |
| Output Input power range | Minimum receiving power: -18 dBm MAX (Average), Overload: -3 dBm MIN (Average) |
| Output Electrical Signal Interface | Data Interface: P-ECL Clock Interface: P-ECL |
| Applicable Transmission Fiber Cables | SMF (SI-10/125) |
| Ambient Temperature | -40 to 85°C |
| Relative Humidity | 30 to 80 % RH (non-condense Condition) |
| Power Supply Voltage | DC: +3.3 V |
| Power Consumption | 0.6 W TYP |
| Dimensions | 10 x 26 x 3 (mm) (refer to drawing) |
| Alarm Functions | Optical input down alarm |

OD-J6888-HA01

(unit in mm)



| PIN NO. | SYMBOL | I/O | PIN NO. | SYMBOL | I/O |
|---------|---------|-----|---------|--------------|-----|
| 1 | GND | I | 16 | DATA OUT (-) | O |
| 2 | GND | I | 17 | GND | I |
| 3 | GND | I | 18 | DATA OUT (+) | O |
| 4 | EXTC | - | 19 | GND | I |
| 5 | N.C | - | 20 | Vcc | I |
| 6 | GND | I | 21 | N.C. | - |
| 7 | GND | I | 22 | FIL (+) | - |
| 8 | Vcc | I | 23 | FIL (-) | - |
| 9 | Vcc | I | 24 | GND | I |
| 10 | GND | I | 25 | GND | I |
| 11 | Vcc | I | 26 | LOS | O |
| 12 | GND | I | 27 | Vcc | I |
| 13 | CLK (-) | O | 28 | GND | I |
| 14 | GND | I | 29 | Vpd | I |
| 15 | CLK (+) | O | 30 | GND | I |

I: Input Terminal, O: Output Terminal