

156/52 Mbps OPTICAL TRANSMITTER 156 Mbps OPTICAL RECEIVER

OD-J6500-0B01
OD-J6501-0A01

FEATURES

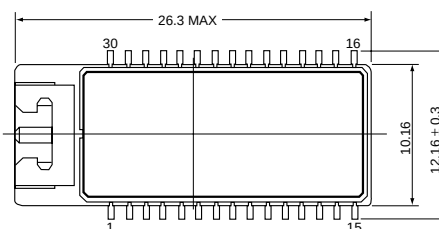
- **DESIGNED FOR SONET/SDH/ATM SYSTEMS**
- **REFLOW SOLDERABLE SMT PACKAGE**
- **COMPACT SIZE:**
26 x 10 x 3 (mm)
- **LOW POWER CONSUMPTION:**
0.3 W TYP
- **SINGLE POWER SUPPLY:**
+3.3 V
- **WIDE OPERATING TEMPERATURE RANGE:**
OD-J6500-0B01/OD-J6501-0A01: 0 to 65°C
OD-J6500-HB01/OD-J6501-HB01: -40 to 85°C

PERFORMANCE CHARACTERISTICS

Parameter	Performance
Transmission Speed	155.52 Mbps
Data Format	Scrambled NRZ (External Scrambler is Required)
Pigtail Fiber (Separate order is necessary)	Transmitter Pigtail: SMF Receiver Pigtail: MMF Pigtail length: 550 mm each Optical Connector: SC, FC, MUJ
Transmitter Output Optical Interface	Launched Power: -15 to -8 dBm Extinction Ratio: 8.2 dB MIN
Receiver Input Optical Interface	Minimum Receiving Power: -28 dBm MAX (Average) Overload: -8 dBm MIN (Average)
Bit Error Rate	1×10^{-10} MAX
Transmitter Input Electrical Interface	Data Interface: P-ECL Clock Interface: P-ECL
Receiver Output Electrical Interface	Data Interface: P-ECL Clock Interface: P-ECL
Applicable Transmission Fiber Cables	SMF (SI-10/125)
Ambient Temperature	0 to 65°C: OD-J6500-0B01 OD-J6501-0A01 -40 to 85°C: OD-J6500-HB01 OD-J6501-HB01
Relative Humidity	30 to 80 % RH (Non-condense Condition)
Power Supply Voltage	DC: +3.3 V
Power Consumption	Transmitter: 0.3 W TYP Receiver: 0.3 W TYP
Dimensions (Refer to Outline Dimensions)	Transmitter: 26 x 10 x 3 (mm) Receiver: 26 x 10 x 3 (mm)
Alarm Functions	Transmitter: Optical output down alarm; active low, LD bias alarm; active low Receiver: Optical input down alarm; active low Signal Interface: LV-TTL

OUTLINE DIMENSIONS

OD-J6500-0B01
OD-J6501-0A01



MAJOR PERFORMANCE

- **DATA RATE:**
155.52 Mbps (STM-1, OC-3)
- **P-ECL SIGNAL LOGIC INTERFACE**
- **ALARM FUNCTIONS:**
Transmitter: Optical output down alarm, LD bias alarm
Receive: Optical input down alarm
- **AUTOMATIC OPTICAL LAUNCHED POWER STABILIZING (TRANSMITTER)**
- **PLL CLOCK RECOVERY (RECEIVER)**

APPLICATIONS

- **TELECOMMUNICATIONS NETWORK SONET OC-3 SR/IR INTERFACE COMPATIBLE:**
ITU-T Recommendation G.957 L-1.1 Interface
Compatible

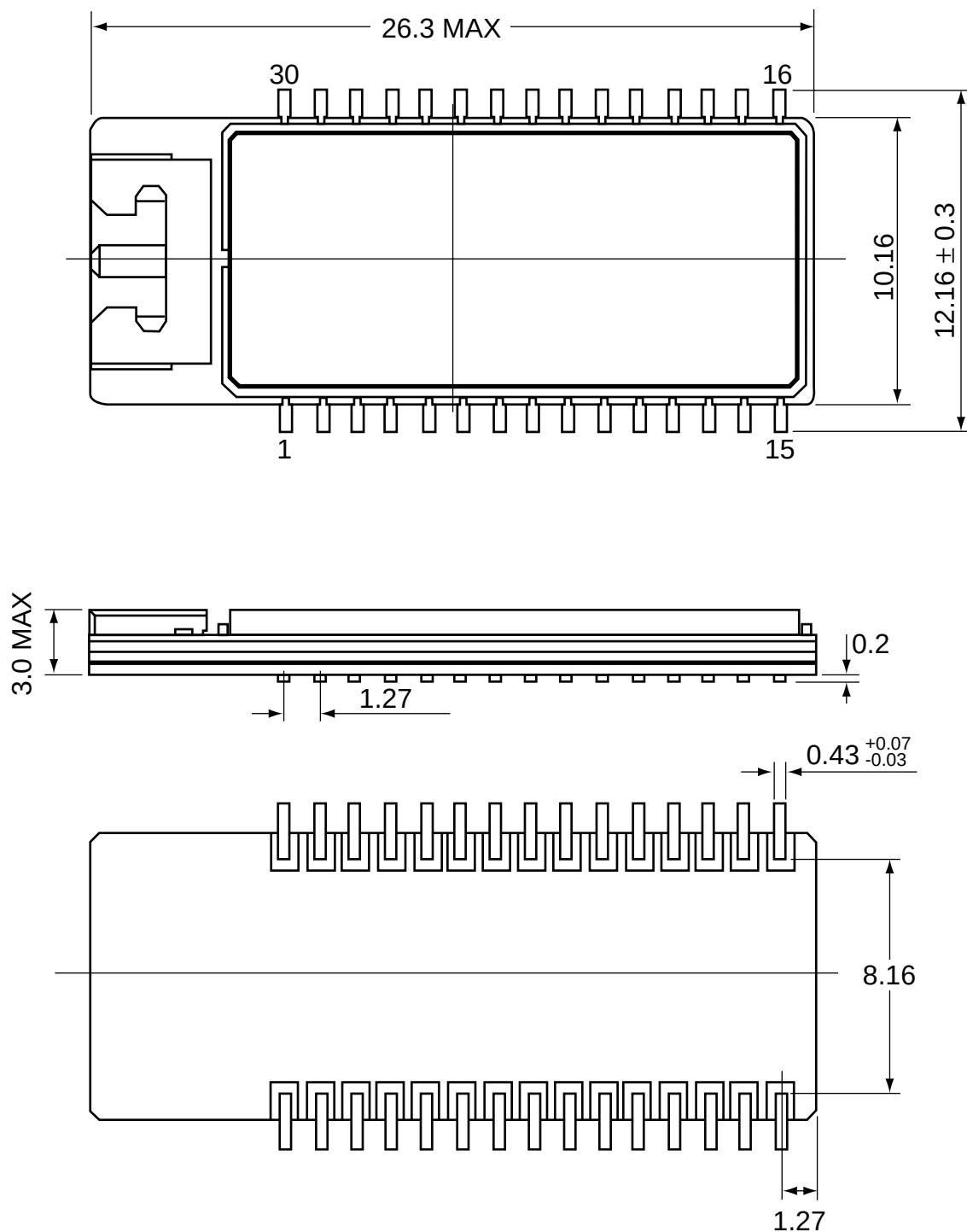
ORDERING INFORMATION

	Pigtail Part Number For Transmitter	Pigtail Part Number For Receiver
SC	OD-S524-SC-SM	OD-S524-SC-MM
FC	OD-S524-FCPC-SM	OD-S524-FCPC-MM
MUJ	OD-S524-MUJ-SM	OD-S524-MUJ-MM

Note:

1. Pigtail fiber is not included with the product. Separate order is necessary.

OUTLINE DIMENSIONS (Units in mm)



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