

FEATURES

- **DESIGNED FOR SONET/SDH 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-J6523-0A01: 0 to 65°C
OD-J6523-HB01: -40 to 85°C

MAJOR PERFORMANCE

- **DATA RATE:**
51.84 Mbps (OC-1)
- **P-ECL SIGNAL LOGIC INTERFACE**
- **ALARM FUNCTIONS:**
Receive: Optical input down alarm
- **PLL CLOCK RECOVERY (RECEIVER)**

APPLICATIONS

- **TELECOMMUNICATIONS NETWORK SONET OC-1 LR INTERFACE COMPATIBLE**

ORDERING INFORMATION

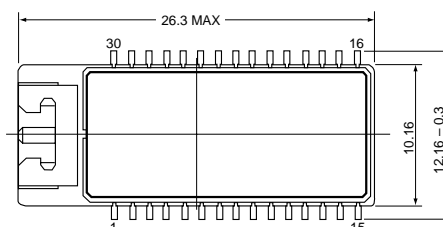
	Pigtail Part Number For Transmitter	Pigtail Part Number For Receiver
SC	OD-S524-SC-SM	OD-S524-SC-MM
FC	OD-S524-FCPC-SM	OD-S524-FCPC-MM
MUJ	OD-S524-MUJ-SM	OD-S524-MUJ-MM

Note:

1. Pigtail fiber is not included with the product. Separate order is necessary.
2. OD-J6502-0B01/HB01 is applied as 52 Mbps transmitter.

OUTLINE DIMENSIONS

OD-J6523-0A01



PERFORMANCE CHARACTERISTICS

Parameter	Performance
Transmission Speed	51.84 Mbps
Data Format	Scrambled NRZ (External Scrambler is Required)
Pigtail Fiber (Separate order is necessary)	Receiver Pigtail: MMF Pigtail length: 550 mm each Optical Connector: SC, FC, MUJ
Receiver Input Optical Interface	Minimum Receiving Power: -34 dBm MAX (Average) Overload: -10 dBm MIN (Average)
Bit Error Rate	1 x 10 ⁻¹⁰ MAX
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-J6523-0A01 -40 to 85°C: OD-J6523-HB01
Relative Humidity	30 to 80 % RH (Non-condense Condition)
Power Supply Voltage	DC: +3.3 V
Power Consumption	Receiver: 0.3 W TYP
Dimensions (Refer to Outline Dimensions)	Receiver: 26 x 10 x 3 (mm)
Alarm Functions	Receiver: Optical input down alarm; active low Signal Interface: LV-TTL

OUTLINE DIMENSIONS (Units in mm)

