

### FEATURES

- **DESIGNED FOR SONET/SDH/ATM SYSTEMS**
- **REFLOW SOLDERABLE SMD HOUSING**
- **COMPACT SIZE:**  
28.3 x 12.7 x 3 (mm)
- **LOW POWER CONSUMPTION:**  
0.6 W MAX (0A01)  
0.9 W MAX (HA01)
- **SINGLE POWER SUPPLY:**  
+3.3 V
- **WIDE OPERATING TEMPERATURE RANGE:**  
0 to 75°C (0A01)  
-40 to 85°C (HA01)

### MAJOR PERFORMANCE

- **DATA RATE:**  
2.48832 Gbps (STM-16, OC-48)
- **AC COUPLED SIGNAL INTERFACES:**  
50 ohms
- **ALARM FUNCTIONS:**  
Optical output down alarm, LD bias alarm

### APPLICATIONS

- **TELECOMMUNICATIONS NETWORK SONET OC-48 SR INTERFACE COMPATIBLE:**  
ITU-T Recommendation G.957 I-16 Interfaces Compatible

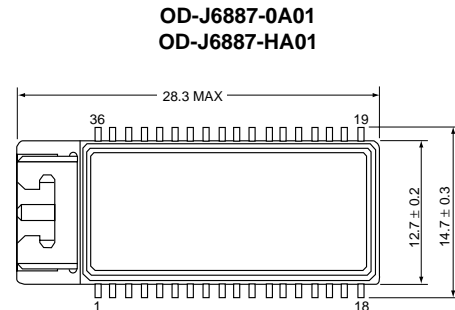
### ORDERING INFORMATION

Pigtail Optical Connector	Pigtail Part Number
SC	OD-S524-SC-SM
FC	OD-S524-FCPC-SM
MUJ	OD-S524-MUJ-SM

Note:

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

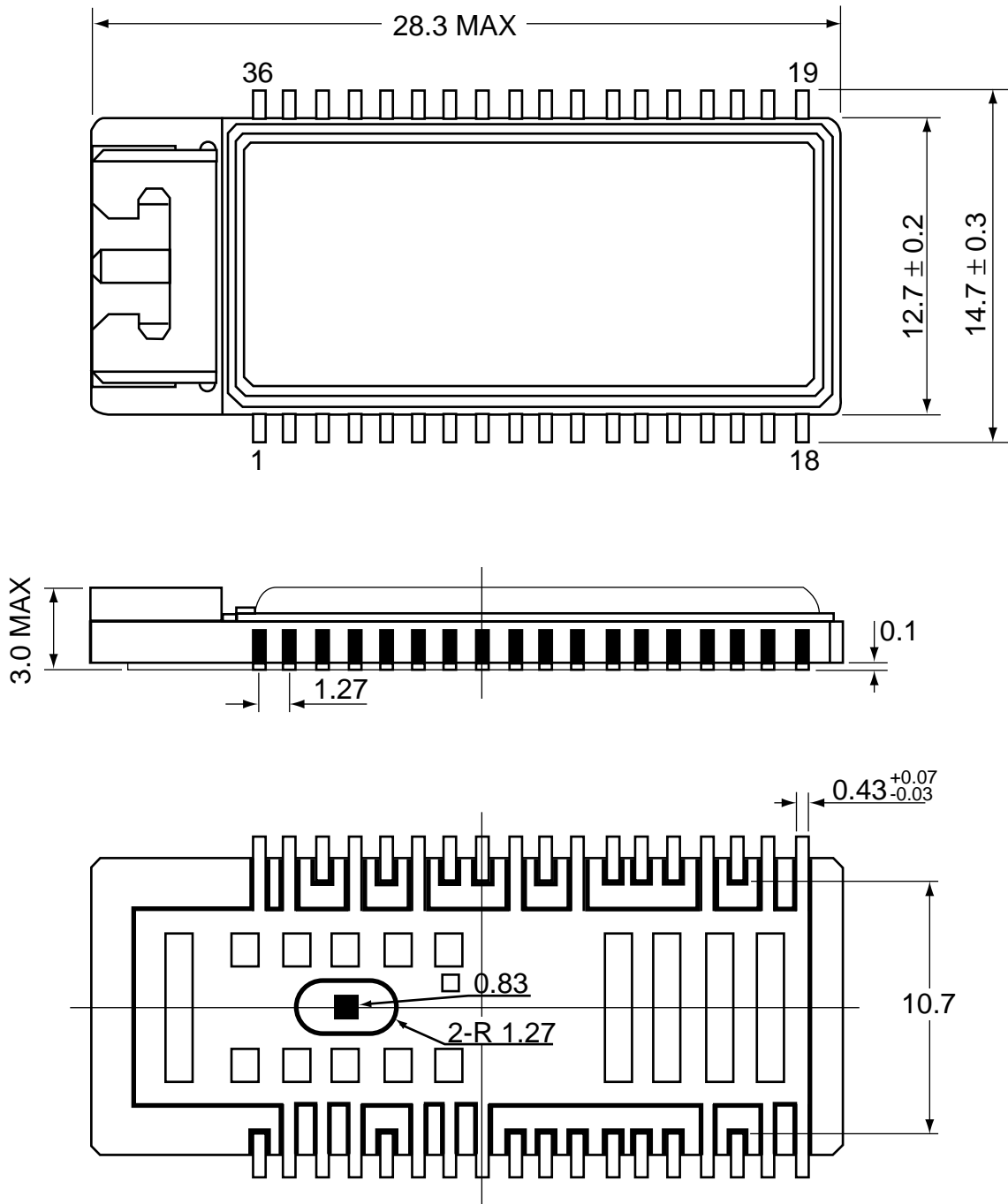
### OUTLINE DIMENSIONS



### PERFORMANCE CHARACTERISTICS

Parameter	Performance
Transmission Speed	2.48832 Gbps
Data Format	Scrambled NRZ (External Scrambler is Required)
Pigtail Fiber (Separate order is necessary)	SMF 550 mm each Optical Connector: SC, FC, MUJ
Optical Output Power Range	-10 to -3 dBm Extinction Ratio: 8.2 dB MIN
Input Electrical Signal Interface	Data: AC coupled 50 ohms Clock: AC coupled 50 ohms
Applicable Transmission Fiber Cables	SMF (SI-10/125)
Operating Ambient Temperature	0 to 75°C (0A01) -40 to 85°C (HA01)
Relative Humidity	30 to 80 % RH (Non-condense Condition)
Power Supply Voltage	DC: +3.3 V
Power Consumption	0.6 W MAX (0A01) 0.9 W MAX (HA01)
Dimensions (Refer to Outline Dimensions)	28.3 x 12.7 x 3 (mm)
Alarm Functions	Optical output down alarm LD bias alarm

**OUTLINE DIMENSIONS** (Units in mm)



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**CEL CALIFORNIA EASTERN LABORATORIES** • Headquarters • 4590 Patrick Henry Drive • Santa Clara, CA 95054-1817 • (408) 988-3500 • Telex 34-6393 • FAX (408) 988-0279  
24-Hour Fax-On-Demand: 800-390-3232 (U.S. and Canada only) • Internet: <http://WWW.CEL.COM>

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