

# 4ch CWDM DEMUX AWG Chip

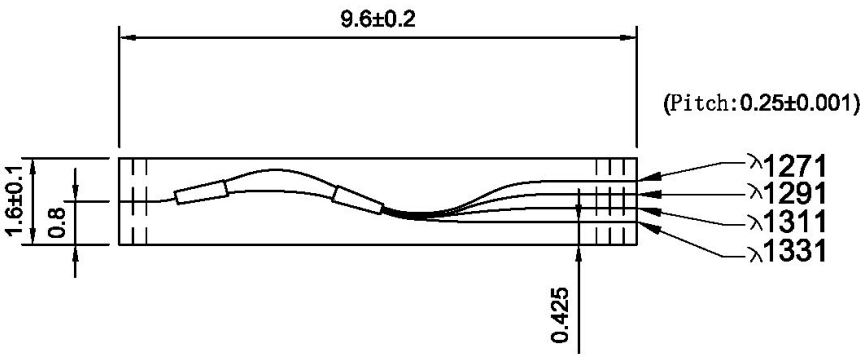
## FEATURES

- ◆ 4ch CWDM DEMUX AWG Chip
- ◆ Super Low Insertion Loss
- ◆ High Reliability
- ◆ RoHS Compliant

## MECHANICAL SPECIFICATION

| Mechanical        | Size              |
|-------------------|-------------------|
| Chip Size (250um) | 9.6mmx1.6mmx1.0mm |

| Parameter                   | Condition              | Unit     | Typ.                                                                             | Max. |
|-----------------------------|------------------------|----------|----------------------------------------------------------------------------------|------|
| Spectral Region             | —                      | nm       | 1300nm Region                                                                    | —    |
| Channel Spacing             | ITU-G.694.2            | nm (GHz) | 20nm (3543GHz)                                                                   | —    |
| Channel Number              | —                      | CH       | 4                                                                                | —    |
| Center Wavelength           | CH1 ; CH2<br>CH3 ; CH4 | nm (THz) | 1271nm(235.87THz) ; 1291nm(232.22THz)<br>1311nm (228.67THz) ; 1331nm (225.24THz) |      |
| Center Wavelength Accuracy  | —                      | nm       | ± 1nm                                                                            | —    |
| Insertion Loss              | Center Wavelength      | dB       | —                                                                                | 2.0  |
| Isolation                   | Adjacent CH            | dB       | -21                                                                              | —    |
|                             | Non-adjacent CH        | dB       | -30                                                                              | —    |
| Bandwidth                   | 1-dB Bandwidth         | nm(GHz)  | 12                                                                               | —    |
|                             | 3-dB Bandwidth         | nm(GHz)  | 15                                                                               | —    |
| Polarization Dependent Loss | —                      | dB       | 0.20                                                                             | 0.45 |
| Power Handling              | —                      | mW       | —                                                                                | 500  |
| Operation Temperature       | —                      | °C       | -10 ~ +85°C                                                                      |      |
| Storage Temperature         | —                      | °C       | -40 ~ +85°C                                                                      |      |



PN.: ACH014S1CS08C  
4ch-20nm Flat AWG