



Ultra Compact 4CH CWDM Z-Block

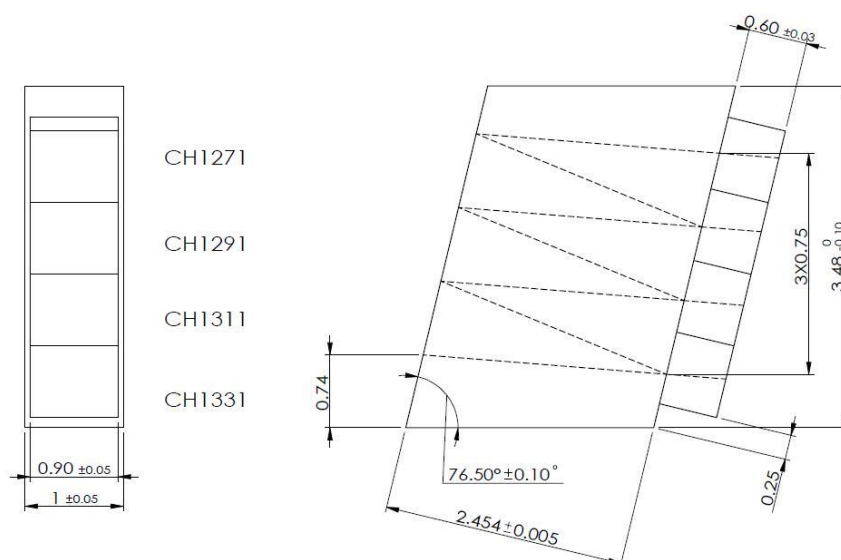
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1. Performance

This document proposes the specifications of Ultra Compact 4CH CWDM Z-Block:

| Parameter | Symb | Min | Typ | Max | Unit | Note |
|--------------------------------|-----------------|-------------|------|------|---------|---|
| Channel Number | | | 4 | | channel | |
| Channel Wavelength | λ_{CT0} | | 1271 | | nm | |
| | λ_{CT1} | | 1291 | | nm | |
| | λ_{CT2} | | 1311 | | nm | |
| | λ_{CT3} | | 1331 | | nm | |
| Channel Spacing | | | 20 | | nm | |
| Pass Band | $\Delta\lambda$ | -6.5 | | +6.5 | nm | |
| Ripple over Pass Band | | | | 0.4 | dB | |
| Channel Insertion Loss | | | | 1.1 | dB | ≤ 1.1 without fiber coupling; ≤ 1.5 measured with fiber coupling (0.3mm beam diameter) |
| A.O.I (13.5) | | 13.3 | | 13.7 | degree | |
| Beam position Error(0.75) | | 0.73 | | 0.77 | mm | |
| Adjacent Channel Isolation | | 25 | | | dB | |
| Non-Adjacent Channel Isolation | | 35 | | | dB | |
| Polarization Dependent Loss | | | | 0.25 | dB | |
| Return Loss | | 45 | | | dB | |
| Directivity | | 50 | | | dB | |
| Dimension | | 3.05x3.48x1 | | | mm | |
| Store Temperature | | -40 to 85 | | | °C | |
| Operation Temperature | | -5 to 85 | | | °C | |

2. Ultra Compact 4CH CWDM Z-Block size reference



3. RoHS appliance. GR-1209-Core, GR-1221-Core Generic Requirement and test standard.

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