

Analysis Report of integration_complete chip

Measurement date: June 13, 2024

Process: ANT

| Name | Wavelength | Polarization | Data | Error | Analysis |
|-----------------|------------|--------------|-------|-------|----------------------------|
| PCM_Straight | 1550nm | TE | 1.13 | 0.0 | Insertion Loss (dB/cm) |
| PCM_Spiral | 1550nm | TE | 4.34 | 0.65 | Insertion Loss (dB/cm) |
| PCM_SWG | 1550nm | TE | 1.56 | 0.22 | Insertion Loss (dB/cm) |
| PCM_YBranch | 1550nm | TE | 0.17 | 0.03 | Insertion Loss (dB/device) |
| PCM_ContraDC | 1550nm | TE | -0.09 | 0.03 | Insertion Loss (dB/device) |
| PCM_Bragg_reg | 1550nm | TE | -2.49 | N/A | Bragg Drift (nm) |
| PCM_Bragg_sweep | 1550nm | TE | N/A | N/A | Bragg Drift (nm) |
| PCM_GIndex | 1550 nm | TE | 4.15 | 0.09 | Group Index |



















