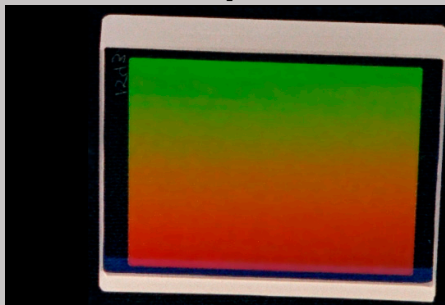
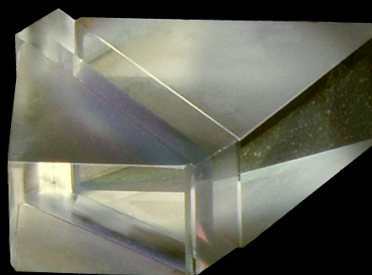


# VPH Transmission Gratings for Telecom

UltraSpec™-HT940



UltraSpec™-HT1350



UltraSpec™-C160 & -L160



|                       |   |   |  |
|-----------------------|---|---|--|
| Key Benefits          | Highest Efficiency<br>High Dispersion<br>Low PDL  | High Efficiency<br>Higher Dispersion<br>Low PDL                               | Ultra High Dispersion<br>Low PDL   |
| Grating/Configuration | 940 lines/mm, sealed  | 1350 lines/mm, sealed in prisms   | 1790.5 lines/mm, sealed in prisms (C160)<br>1742.0 lines/mm, sealed in prisms (L160) |
| Dispersion @ 1550 nm  | 0.08 degrees/nm   | 0.1 to 0.2 degrees/nm*  | 0.30 degrees/nm  |
| Insertion Loss        | < 0.35 dB   | < 0.5 dB  | < 6 dB   |
| PDL                   | <0.1 dB   | < 0.3 dB  | < 0.3 dB   |
| Material              | BK-7 or Fused Silica  |   |  |
| Environmental         | Configurable to all levels of Telcordia GR-1221 requirements (e.g. CO, UNC, hermetic, non-hermetic) |   |  |
| Size                  | Custom to 100 mm  |   | 30 x 30 x 10 mm, 16 grams  |
| Comments              | Ask about other wavelengths/specs.  | *Dispersion varies with prism geometry.<br>Ask about other wavelengths/specs. | Also available for extended L-band and dual-band L/C.                                |

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