Features:
- very wide bell-shaped optical spectrum
- no sidelobes in the coherence function
- negligible residual Fabry-Perot modulation depth
- internal PD monitor
- FC/PC terminated pigtails

Packages:
- fiber coupled – Butterfly, DIL
- free space – TOW

Additional and customized:
- PM pigtails (slow axis alignment; 45 degree orientation upon request)
- 4-mW SMF model with reduced sensitivity to feedback

Applications:
- high resolution OCT
- fiber sensors
- Bragg grating sensors
- optical measurements

PERFORMANCE EXAMPLES

The following part numbers should be used when ordering:

SLD-34(a)-(b)-(c)-(d)-(e)-(f),
where: (a) – 0 (free space) or 1 (fiber pigtailed),
(b) – power category (HP1, HP2), (c) – package type,
(d) – SM (isotropic) or PM (polarization maintaining) fiber (pigtailed versions only),
(e) – PD (if PD monitor is required), (f) – central wavelength.


A maximum feedback of $10^{-3}$ is allowed to run HP series SLDs safely at full power.

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PERFORMANCE EXAMPLES (CONTINUED)

Comparison of performance parameters of SLD-341-HP and SLD-371-HP.


A comparison of central peaks of the coherence function of a "bell-shaped" SLD-341-HP1 (red line) and a "double-hump" SLD-371-HP1 (blue line).

Performance examples of SLD-341 with reduced sensitivity to optical feedback.

Spectra of SLDs with reduced sensitivity to optical feedback.
Red – no feedback, 4mW ex fiber.
Blue – 4% (-14dB) feedback (power dropped to 2.7 mW).

Reduced feedback sensitivity 4-mW SMF SLD – output power vs. optical feedback.

All specifications are subject to change without notice.