

INPHENIX

Superluminescent Diode Performance Requirements

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|----------------------|--|-------------------|--|
| Company Name: | | Date: | |
| Contact: | | Telephone: | |
| Document #: | | | |

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|--|-------------------------------|-------------|-------------|-------------|-------------|
| I. Application Information | | | | | |
| Device Part No.: | IPSDD1003C-3113/OPT 100304112 | | | | |
| Application: | | | | | |
| II. Requirements | | | | | |
| A. Opto-Electrical | | Unit | Min. | Typ. | Max. |
| Center Wavelength | | nm | 1020 | - | 1050 |
| Bandwidth, 3dB | | Nm | 100 | - | - |
| Output Power | | mW | 5 | 10 | |
| Forward Current | | mA | - | 350 | 500 |
| Forward Voltage | | V | - | - | 2.5 |
| Ripple/Spectral Modulation | | % | | | 4 |
| Degree of Polarization (Slow/Fast Axis Polarization Ratio) | | db | 10 | - | - |
| B. Environmental | | | | | |
| Operation temperature range | | C | 0 | - | 75 |
| Storage temperature range | | C | -40 | - | 85 |
| C. Packaging | | | | | |
| Package Type | 14 Pin Butterfly | | | | |
| Fiber Type | 900um SM fiber | | | | |
| Connector Type | FC/APC | | | | |
| Photodetector | Optional | | | | |
| TEC required | Yes | | | | |
| D. Others (Specified by Customer): | | | | | |
| 1. | | | | | |
| 2. | | | | | |
| III. Project Information | | | | | |
| # of Prototype Devices Required and Lead-time Required | | | | | |
| # of Production Devices Required and Schedule | N/A | | | | |
| Target Price vs Quantity for Production Devices | N/A | | | | |