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Find the *Finisar / Transwave Fiber FLS-55* at our website: ***Click HERE***

# Finisar

## PRELIMINARY Product Specification

# Wide-Band High Power Light Source

# FLS-XX

## Features

- Broadband
- High Power
- Low Degree of Polarization
- Stable Output Power

## Applications

- Optical Spectral Analyzer
- WDM Manufacturing/Testing Systems



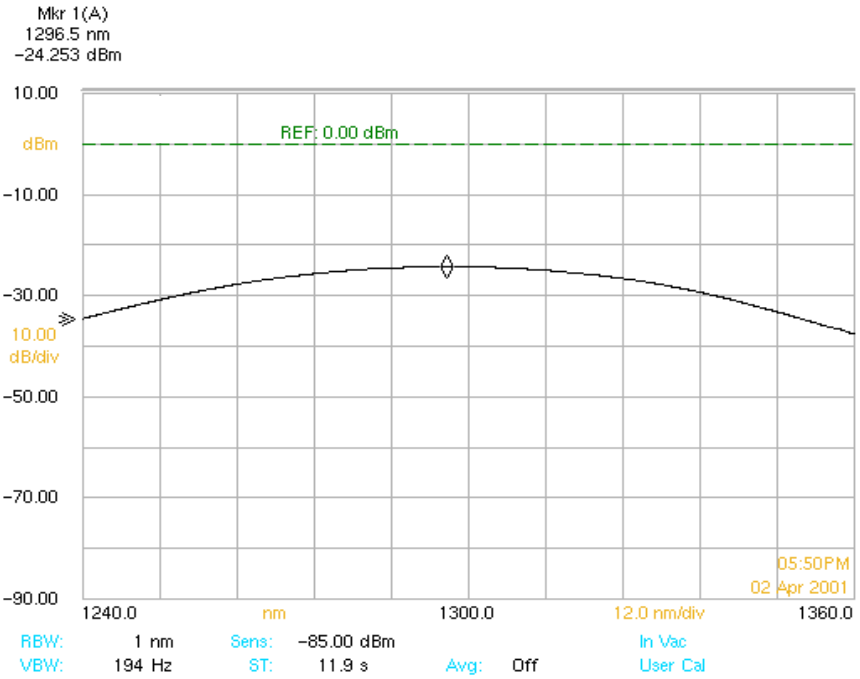
### Specifications of Single Wavelength: FLS-30, FLS-40, FLS-55 and FLS-62

| | FLS-30 | FLS-40 | FLS-48 | FLS-55 | FLS-62 |
|---|---|---|---|---|---|
| Peak Wavelength (nm) | 1300 ± 10 | 1400 ± 10 | 1480 ± 10 | 1540 ± 10 | 1620 ± 10 |
| 10dB Width (nm) | 100 | 100 | 100 | 100 | 100 |
| Peak Power Density (dBm/nm) | -24 | -21 | -21.5 | -18 | -26 |
| Power Stability (dBm) in 30 min. | ~ ± 0.01 | ~ ± 0.01 | ~ ± 0.01 | ~ ± 0.01 | ~ ± 0.01 |
| LED Safety | Class IIIb | | | | |
| Dimension (mm) | L 250 ×W 430 × H 145 | | | | |
| Degree of Polarization | < 10% | | | | |
| Operating Temperature (°C) | 0 – 45 | | | | |
| Storage Temperature (°C) | -10 – 70 | | | | |
| Fiber Type | Corning SMF-28 | | | | |
| Power | 20 W, 110 VAC, 60 Hz | | | | |
| Output | 1 | | | | |

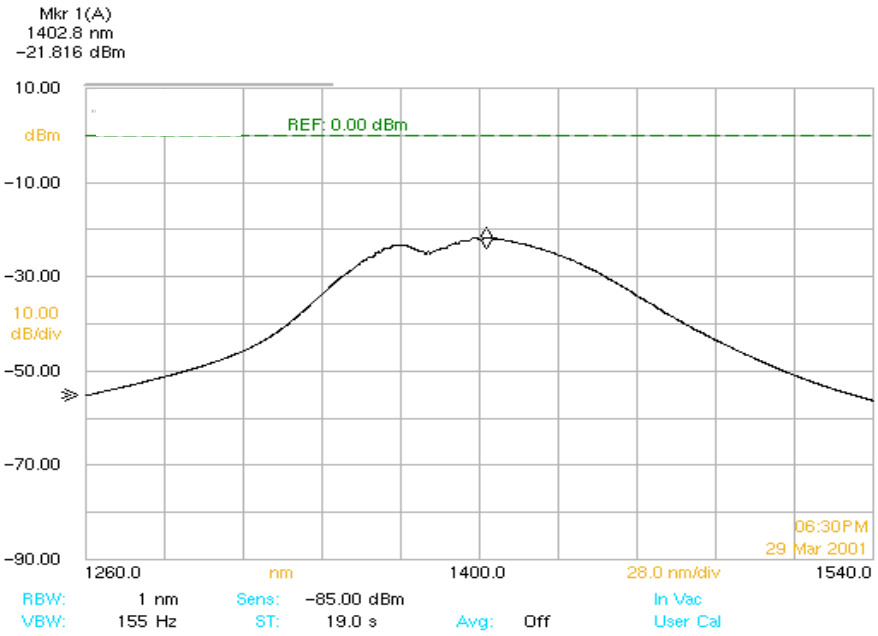
© Finisar Corporation 8/16/2001 Rev.A


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## Output of FLS-30



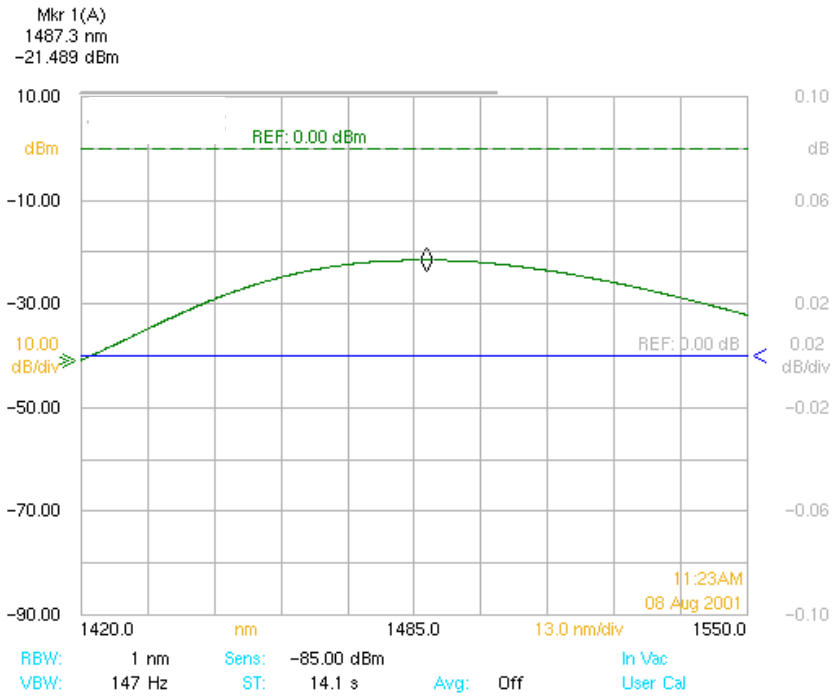

## Output of FLS-40



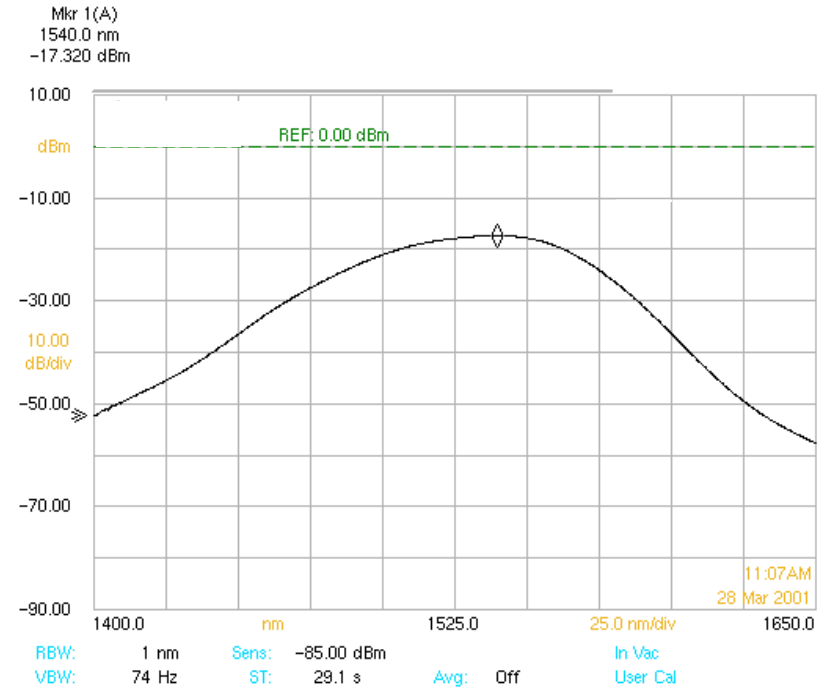



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## Output of FLS-48



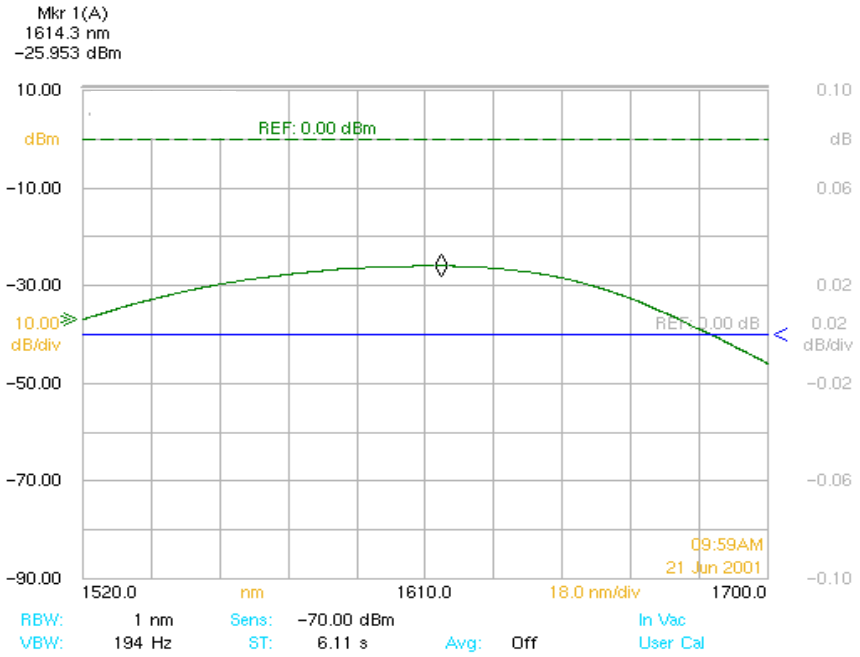

## Output of FLS-55






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## Output of FLS-62



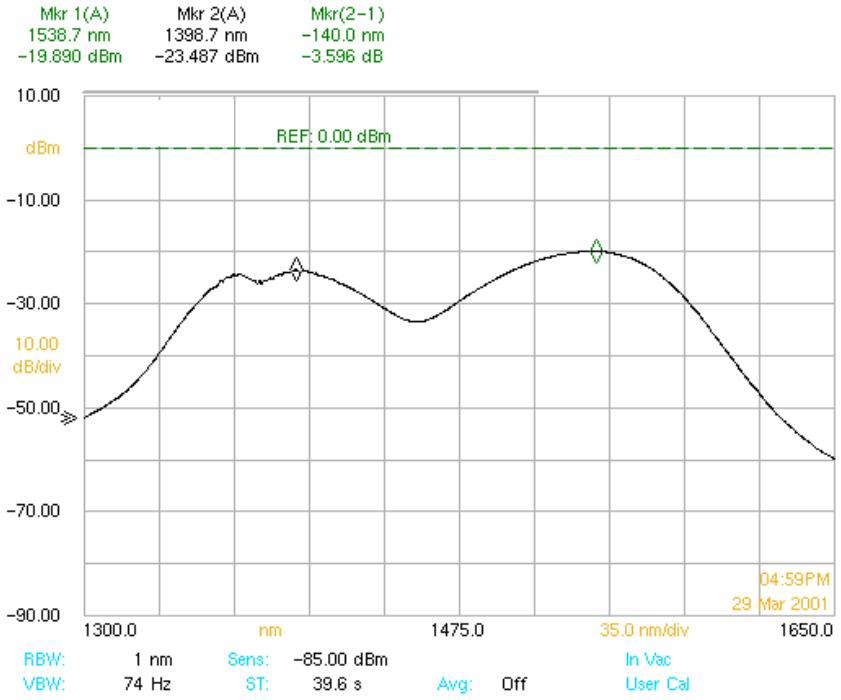

## Specification of FLS-40-55-C

| | **Output I** | **Output II** |
|---|---|---|
| Peak Wavelength (nm) | 1400, 1550, ± 10 | 1400, 1550, ± 10 |
| 10 dB Width (nm) | >100 | >100 |
| Peak Power Density (dBm/nm) | –24, -20 | -24; -20 |
| Power Stability (dBm) in 30 min. | ~ ± 0.01 | ~ ± 0.01 |
| LED Safety | Class IIIb | |
| Dimension (cm) | L 450 ×W 430 × H 145 | |
| Degree of Polarization | < 10% | |
| Operating Temperature (°C) | 0 to 45 | |
| Storage Temperature (°C) | –10 to 70 | |
| Fiber Type | Corning SMF-28 | |
| Power | 20W,110 VAC, 60Hz | |
| Output | 2 | |

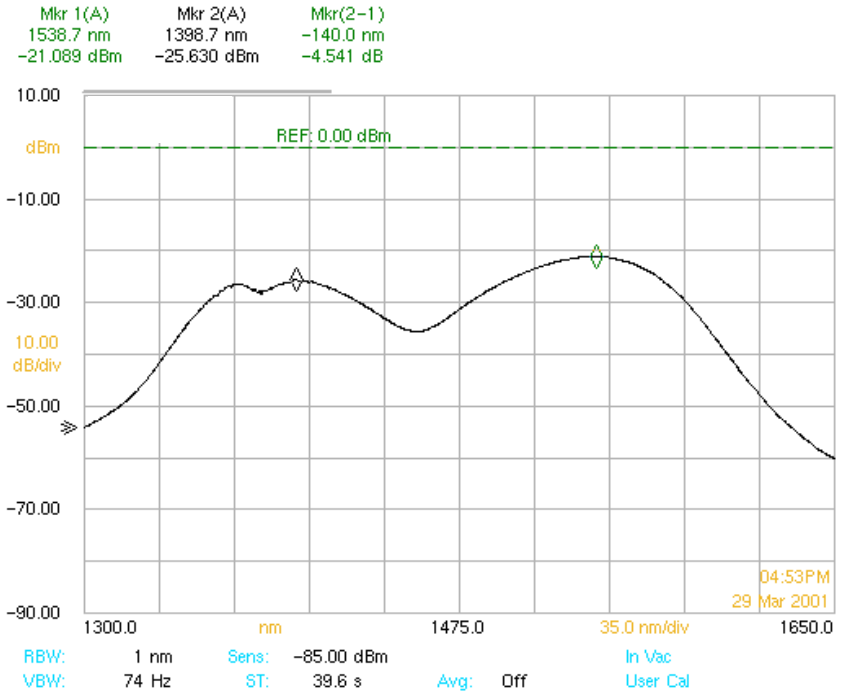


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## Output I




## Output II






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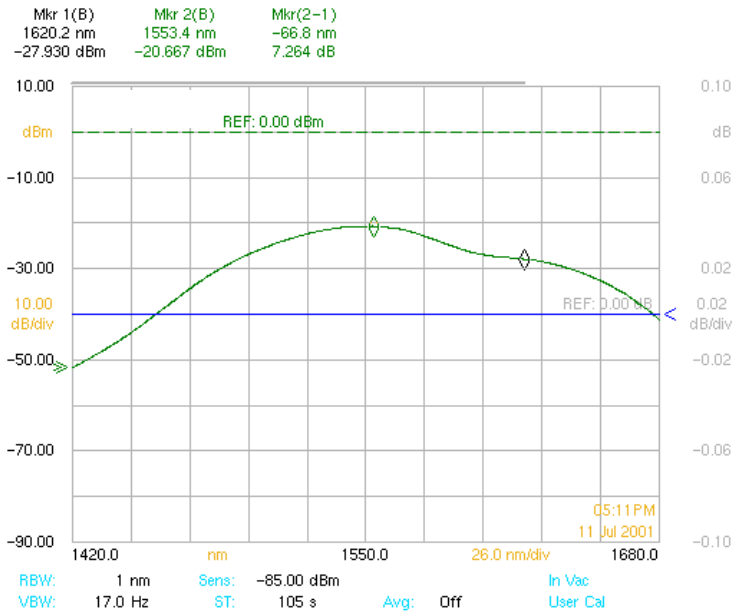
## Specification of FLS-55-62-C

| | Output I | Output II |
|---|---|---|
| Peak Wavelength (nm) | 1553,1620 ± 10 | 1553, 1620 ± 10 |
| 10 dB Width (nm) | > 100 | > 100 |
| Peak Power Density * (dBm/nm) | -20.7, -27.9 | -20.4, -27.6 |
| Power Stability (dBm) in 30 min. | ~ ± 0.01 | ~ ± 0.01 |
| LED Safety | Class IIIb | |
| Dimension (mm) | L 450 ×W 430 × H 145 | |
| Degree of Polarization | < 10 % | |
| Operating Temperature (°C) | 0 to 40 | |
| Storage Temperature (°C) | –10 to 50 | |
| Fiber Type | Corning SMF-28 | |
| Power | 20W,110 VAC, 60Hz | |
| Output | 2 | |

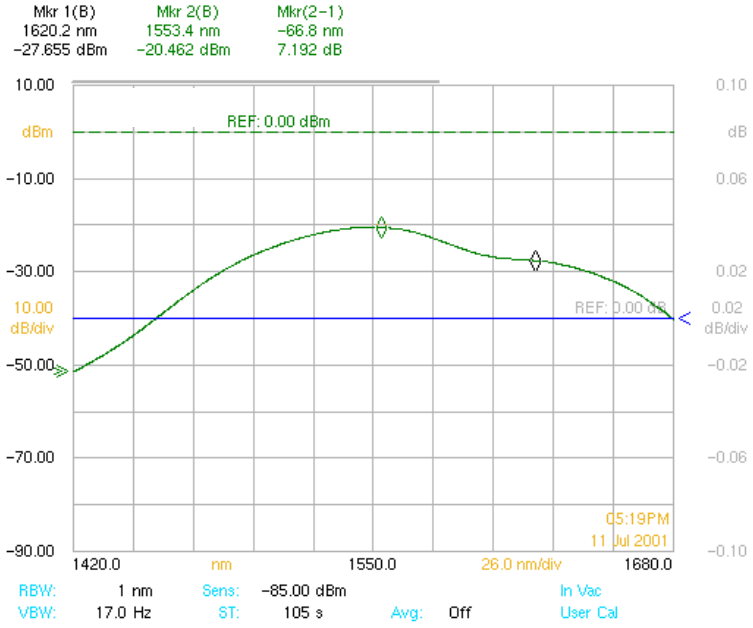


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## Output I




## Output II



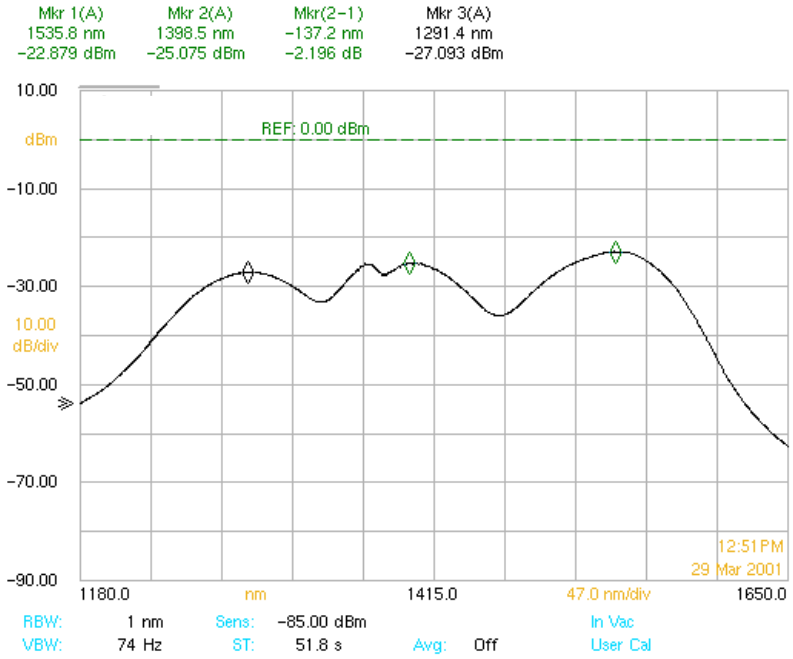



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## Specification of FLS-30-40-55-C

| | Output I | Output II | Output III |
|---|---|---|---|
| Peak Wavelength (nm) | 1300, 1400, 1550 ± 10 | 1300, 1400, 1550 ± 10 | 1300, 1400, 1550 ± 10 |
| 10 dB Width (nm) | > 100 | > 100 | > 100 |
| Peak Power Density (dBm/nm)* | -27 –25, -20 | -27 -25; -20 | -27 -25; -20 |
| Power Stability (dBm) in 30 min. | ~ ± 0.01 | ~ ± 0.01. | ~ ± 0.01. |
| LED Safety | Class IIIb | | |
| Dimension (mm) | L 450 ×W 430 × H 145 | | |
| Degree of Polarization | Maximum 10% | | |
| Operating Temperature (°C) | 0 to 45 | | |
| Storage Temperature (°C) | –40 to 70 | | |
| Fiber Type | Corning SMF-28 | | |
| Power | 20W,110 VAC, 60Hz | | |
| Output | 3 | | |

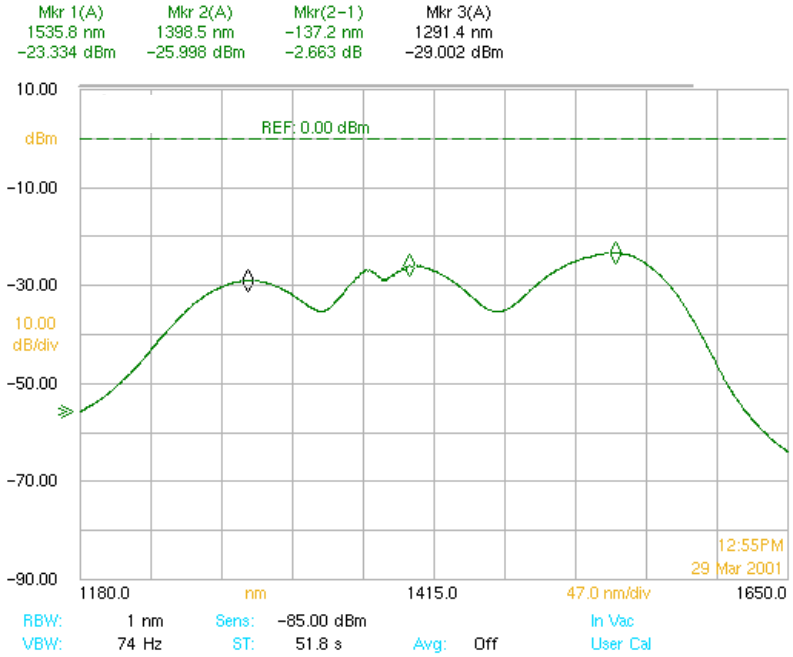
## Output I



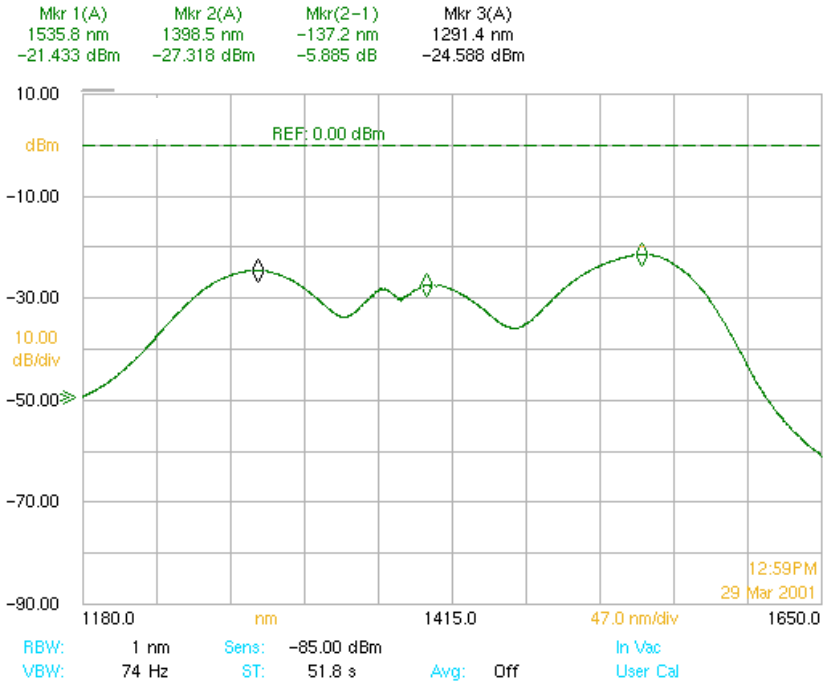



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## Output II




## Output III



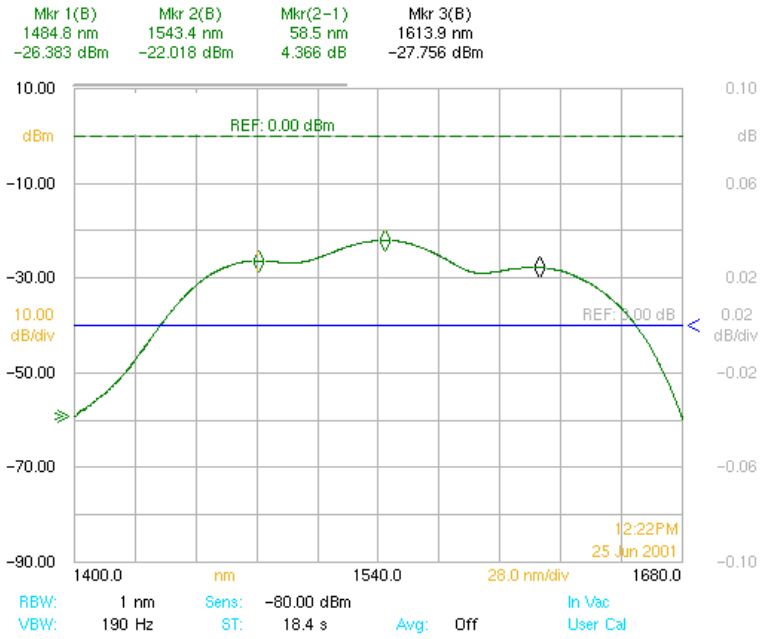



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## Specification of FLS-48-55-62-C

| | Output I | Output II |
|---|---|---|
| Peak Wavelength (nm) | 1484, 1543,1613 +/– 10 | 1484, 1543,1613+/– 10 |
| 10 dB Width (nm) | > 100 | > 100 |
| Peak Power Density * (dBm/nm) | -26.4, -22.0, -27.8 | -25.7, -21.5, -27.8 |
| Power Stability (dBm) in 60 min. | ~ ± 0.01 | ~ ± 0.01 |
| LED Safety | Class IIIb | |
| Dimension (mm) | L 450 ×W 430 × H 145 | |
| Degree of Polarization | < 10 % | |
| Operating Temperature (°C) | 0 to 40 | |
| Storage Temperature (°C) | –10 to 50 | |
| Fiber Type | Corning SMF-28 | |
| Power | 20W,110 VAC, 60Hz | |
| Output | 2 | |

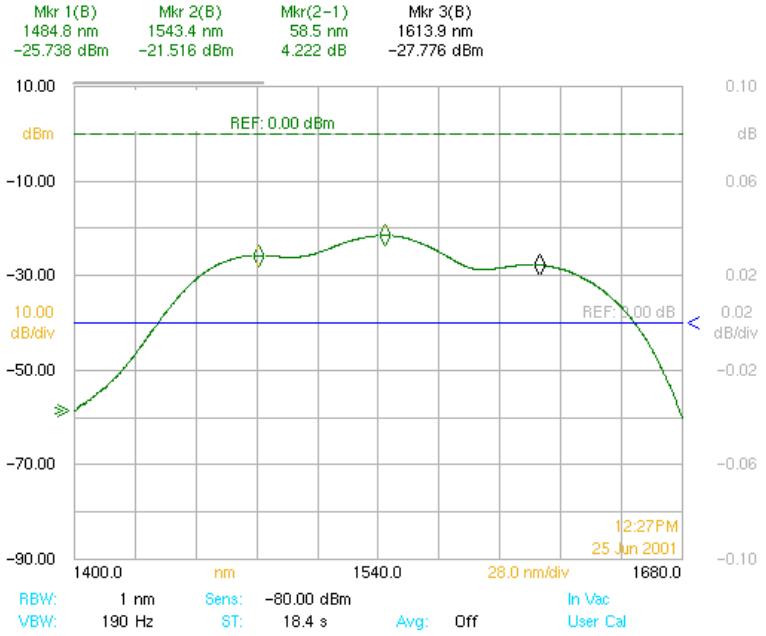
## Output I






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## Output II




## Ordering Information:

| Part Number | Description |
|---|---|
| FLS-30 | Light Source, 1330nm |
| FLS-40 | Light Source, 1400nm |
| FLS-48 | Light Source, 1480nm |
| FLS-55 | Light Source, 1550nm |
| FLS-62 | Light Source, 1620nm |
| FLS-40-55-C | Light Source, 1400nm, 1550nm combined |
| FLS-55-62-C | Light Source, 1550nm, 1620nm combined |
| FLS-30-40-55-C | Light Source, 1300nm,1400nm, 1550nm combined |
| FLS-48-55-62-C | Light Source, 1480nm,1550nm, 1620nm combined |



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