**NUPHOTON TECHNOLOGIES, INC.**
41610 Corning Place, Murrieta, CA 92562
Phone: 951-696-8366 Fax: 951-696-8394
Website: www.nuphoton.com

## Key Features

- Compact ASE light source OEM module with standard RS232 communication interface
- Spectrum flattening option available

## Applications

- Telecom, Test & Measurement, Sensing, R&D, etc.

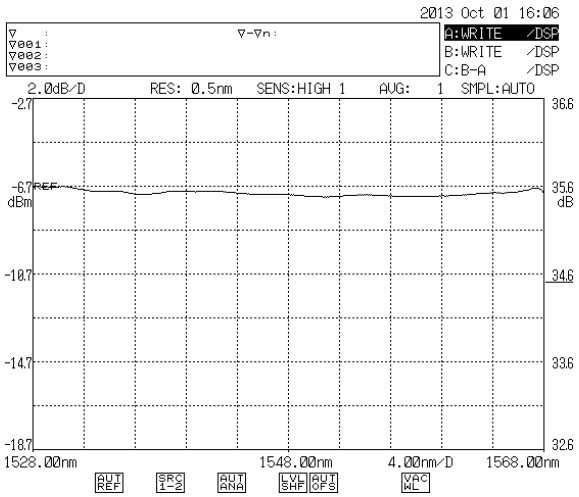
## Typical Specifications

| Parameter | Min. | Typ. | Max. | Units |
|---|---|---|---|---|
| C-band output power | - | - | 27 | dBm |
| L-band output power | - | - | 26 | dBm |
| Operating wavelength (C-band) | 1528 | - | 1565 | nm |
| Operating wavelength (L-band) | 1568 | - | 1605 | nm |
| Temperature range of operation | 15 | 25 | 45 | $^{o}$C |
| Power consumption [(1)] | - | - | 40 | W |
| Output Connectors | Customer specified, FC/UPC, FC/APC, etc. | | | |

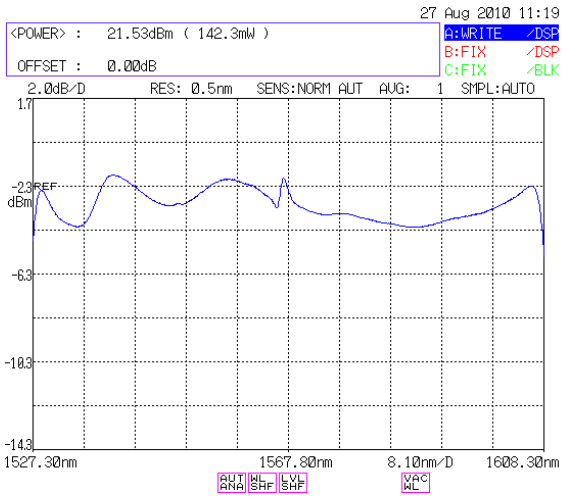
***Specifications are subject to change without prior notice***

Note

(1) Electrical power consumption depends on the optical output power level




Optical Spectrum of ASE, 1528-1568nm




Optical Spectrum of C+L Band ASE, 1528-1608nm

Kokyo
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## Ordering Information:

ASE- □□ - □□ - □□ - □□ - □□□

**Wavelength Range**

C-band
C0 non-flattened
C4 flattened, 1528-1565
CX custom wavelength range

L-band
L0 non-flattened
L4 flattened, 1570 – 1605
LX custom wavelength range

C+L band
CL0 C+L band, non-flattened
CL4 C+L band, flattened

**Package Type**

MR MSA compatible, control electronics included
HR Half-MSA compatible, control electronics included
RS Nuphoton custom chassis, control electronics included
PR 19" rack-mount

**Output Power (dBm)**

Eg.:
18 +18 dBm

**Peak-to-peak flatness (dB)**

Eg.:
2 2 dB
NA Non-flattened

**Optical Termincation**

FCU FC/UPC
FCA FC/APC
LCU LC/UPC
LCA LC/APC
SCU SC/UPC
SCA SC/APC
CUS Customer Specified

Ordering Example 1:

| | |
|---|---|
| Model Number | ASE-C0-MR-17-NA-FCA |
| Wavelength Range [nm] | 1528 – 1565, spectrum without flatten requirement |
| Package Type | Module, MSA chassis |
| Optical Output Power [dBm] | +17 |
| Spectrum Flatness, peak-to-peak [dB] | Not required |
| Optical Input / Output Termination | FC/APC |

Ordering Example 2:

| | |
|---|---|
| Model Number | ASE-C4-RS-27-4-FCA |
| Wavelength Range [nm] | 1528 – 1565, spectrum with flatten requirement |
| Package Type | Module, Nuphoton custom chassis |
| Optical Output Power [dBm] | +27 |
| Spectrum Flatness, peak-to-peak [dB] | 4 dB |
| Optical Input / Output Termination | FC/APC |