

# 2000nm Band ASE Broadband Light Source, Modular, 40mW (Non-adjustable)



## ● Product Description

2000nm-band ASE Broadband Light Source The 2000nm band ASE broadband light source uses a short-wavelength laser-pumped thulium-doped fiber, with single-mode fiber output power reaching up to 40mW. The spectral coverage ranges from 1850 to 2000nm, making it suitable for applications such as laser biology and spectral measurement

## ● Part Number

ASE-2000-40-SM-M

## ● Product features

Spectral flatness、 Mid-infrared band、 High stability output power

## ● Application area

Fiber optic sensing、 Medical imaging、 Fiber optic device testing

## Parameters

| Optical Specifications              | Unit | Typical Value              | Remarks                     |
|-------------------------------------|------|----------------------------|-----------------------------|
| Spectral Range                      | nm   | 1850~2000                  |                             |
| Output Power                        | mW   | 10/20/40                   | Non-adjustable              |
| Isolation at Output Port            | dB   | >35                        |                             |
| Short-term Stability (15 min)       | dB   | $\leq \pm 0.02$            | Equivalent $\leq \pm 0.5\%$ |
| Long-term Stability (8 hours)       | dB   | $\leq \pm 0.05$            | Equivalent $\leq \pm 1.2\%$ |
| Polarization Extinction Ratio (PER) | dB   | $\leq 0.2$                 |                             |
| Tail Fiber and Connector Type       | -    | SMF-28 or SM 1950, FC/A PC |                             |

| Electrical and Environmental Parameters | Benchtop                                      | Module                     |
|-----------------------------------------|-----------------------------------------------|----------------------------|
| Control Method                          | Keypad                                        | RS232 Serial Communication |
| Communication Interface                 | Optional                                      | DB9 Female                 |
| Power Supply                            | 100~240V AC,<30W                              | DC12V3A, $\leq 36W$        |
| Dimensions                              | 260(W) × 320(D) × 120(H)mm                    | 139(W)x235(D)x70(H)mm      |
| Operating Temperature Range             | $-5^{\circ}\text{C} \sim +35^{\circ}\text{C}$ |                            |
| Operating Humidity Range                | 0~70%                                         |                            |

| Ordering info/PN# |                |                   |            |                          |
|-------------------|----------------|-------------------|------------|--------------------------|
| ASE               | Spectral Range | Output Power (mW) | Fiber Type | Packaging Type           |
|                   | 2000           | 10/20/40          | SM         | Benchtop;<br>M = Modular |

