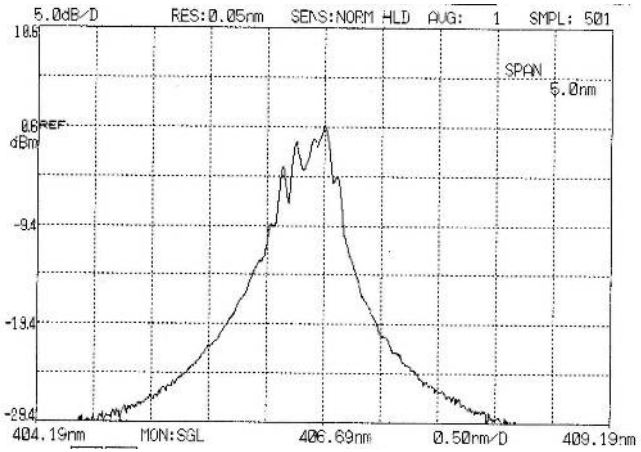
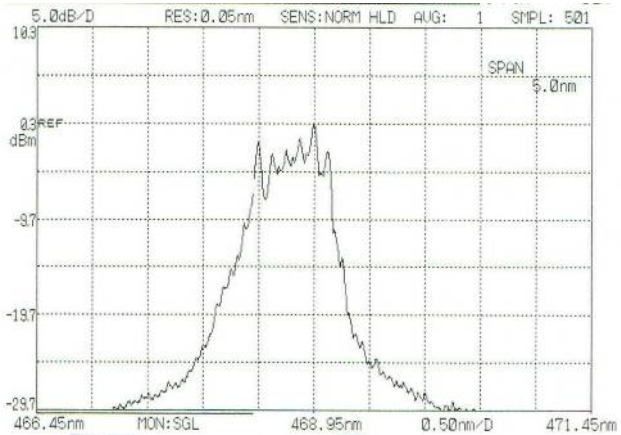
High Stabilized Power from LD/PMF Unit AOS108

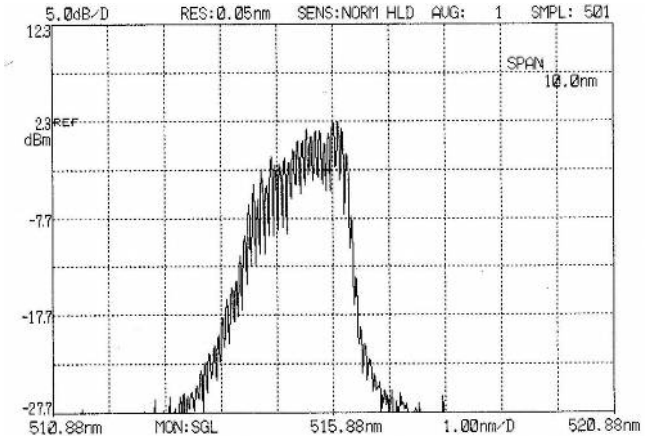
407nm



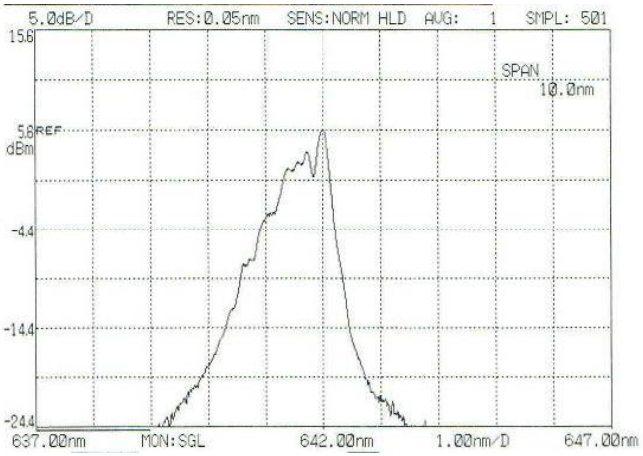
470nm



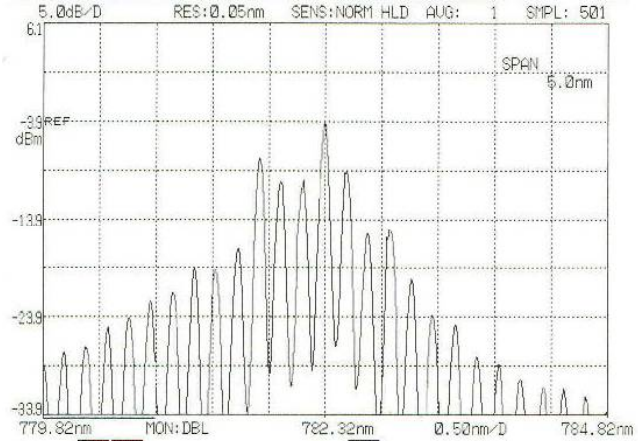
515nm



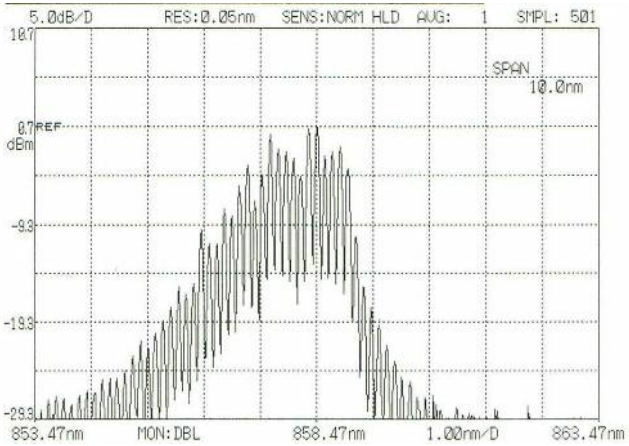
640nm



782nm

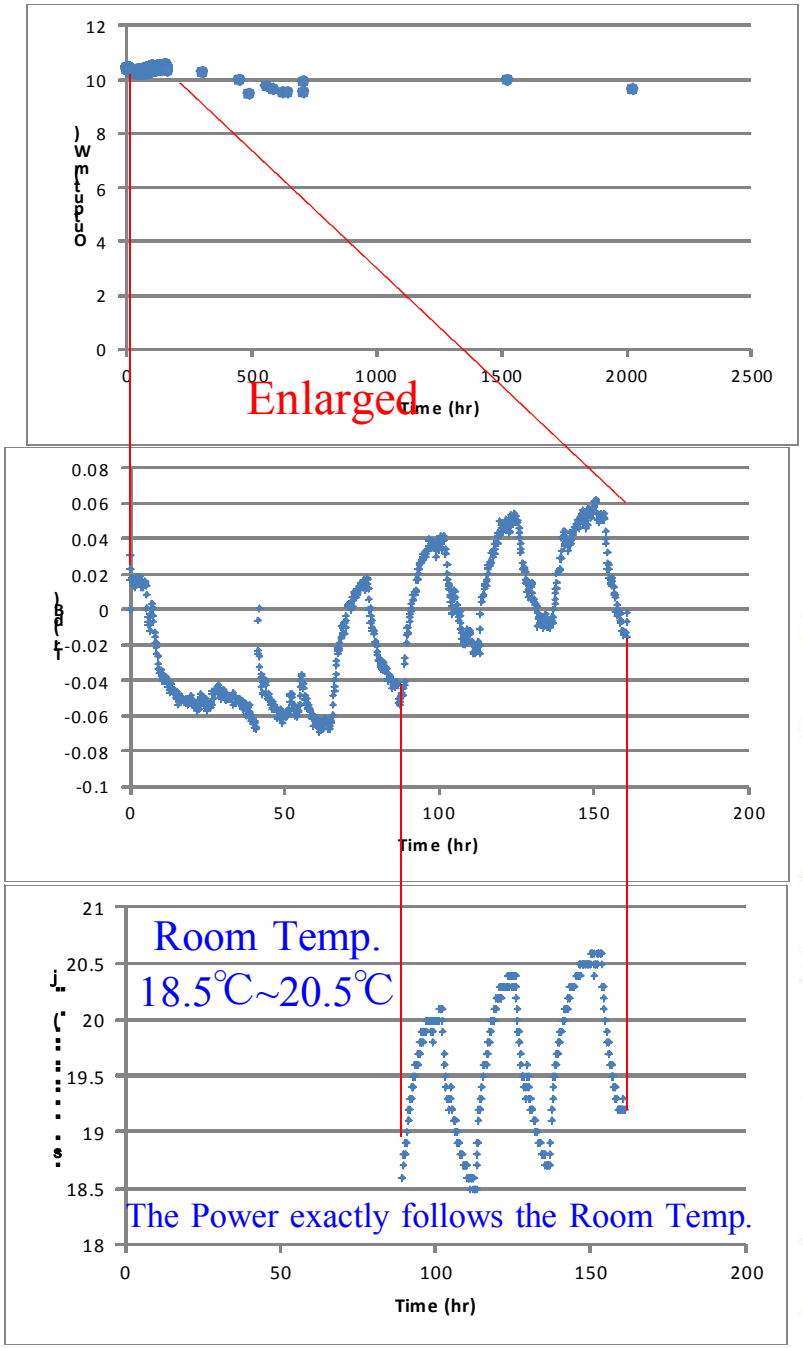


850nm



Fiber	PMF（Polarizing Maintaining Fiber）
Efficinacy	40~50% around
Extinction ratio	20dB aro. or more
LD	405nm,445nm,470nm,515nm,530nm,635nm,640nm, 658nm,782nm,830nm,850nm, 1300nm, 1550nm
LD Drive	APC（Auto Power Control）
Size	W:112 x L:200 x H:33（mm）
Supply Power	9V AC-Adapor

An endurance test data of AOS108-405nm-10mW-PMF



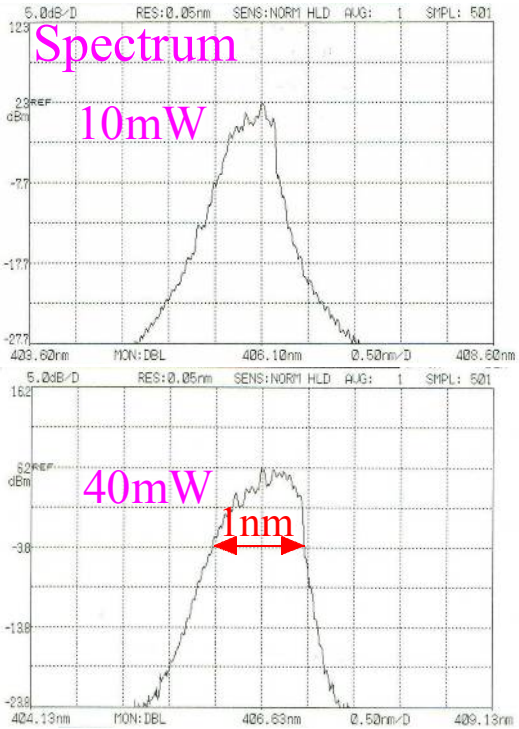
Maximum Output Power 20mW
This type does not have a Pertier device.

1,000 hour running test passed !
2,000 hour No Problem !

More power like 40mW or 50mW requires temperature controlle. We recommend AOS308 type.

It is common that a special fiber is needed to endure blue-violet laser power. Ours, however, cleared the problem without any special proccesing at the fiber edge.

Assembled fiber on this LD is a usual Polarizing Maintaining Single Mode Fiber you can buy easely. The cost is, therefore, not a factor, as well as other visible LD/Fiber unit like a red.



Output Power	50mW max. 5mW min.
Fiber	SMC-40P 1.5m PMF
Extinction ratio	22dB
LD Drive	ACC
Supply Power	9V AC adaptor
Size	112x33x200mm