

FLEXI-PULSE DPSS LASERS

Preliminary Data Sheet – Model FL-40-1064

Midaz range of Flexi-pulse diode-pumped solid-state (DPSS) lasers offer market leading high average powers, very short pulse duration for high peak powers and operation to high repetition rates. Flexi-pulse lasers are the ideal choice where high speed and high precision are required especially for micromachining and laser marking.

Options exist for frequency conversion to visible and UV wavelengths.

Model No.	FL-40-1064
Wavelength	1064 nm
Average power	40 W
Repetition rate	20 -200 kHz
Pulse duration	~15 ns
Spatial Mode	TEM ₀₀ , M ² <1.3
Polarisation Ratio	> 100:1

Applications include:

- Aerospace/Automotive
- Medical components
- Industrial Diamond/Gemstones
- FPDs / PCBs / Solar cells
- Laser Marking / Product ID

