

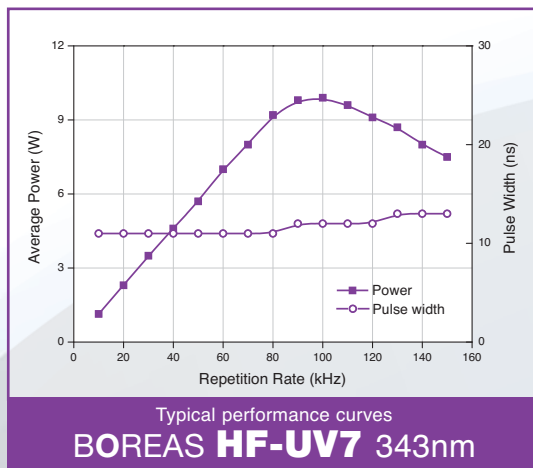
# BOREAS

**HIGH POWER SHORT PULSE FIBER LASER**



**UV 343 nm**

Laser characteristics	HF-UV7
Average power	> 7W @ 60Khz
Repetition rate	10 to 150kHz
Energy per pulse	Up to 0.1mJ
Pulse width	10ns @ 60kHz
Beam quality	$M^2 < 1.3$
Beam diameter (1/e <sup>2</sup> , mm)	2.0mm
Beam divergence (FA, mrad)	0.3mrad
Polarization	> 99% linear
Beam pointing stability	< 10 $\mu$ rad
Pulse to pulse stability	< 5% RMS



## MAIN APPLICATIONS

- \_ Material processing
- \_ Via drilling
- \_ Plastic marking
- \_ Precise ablation & cutting
- \_ Photovoltaic scribing

Operation characteristics	HF-UV7
Laser size / Weight	C-Type / 20kg
Power supply size / Weight	19 inch rack - 5U / 20kg
Cooling type	Water 5l/min, 3 bars between 18°C and 30°C
Power Consumption	500W
Power requirement	90-240 V AC / 50-60Hz

