

LFR-1532

Laser Frequency Reference



- Narrow linewidth, excellent precision and stability, based on highly accurate frequency stabilization techniques
- Multiple wavelengths available
- Short warm-up times (typically < 1 minute), automatic frequency locking and relocking
- Compact, lightweight design
- Adjustable attenuation of laser output power
- Available in OEM version



SHARQ Instruments
for Quantum Technologies Ltd.

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Specifications

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Performance					
Parameter	Min	Typ	Max	Unit	Notes
Output wavelength		1532.83041		nm	Exact value shown in Test Certificate
Max. output power	3	4	5	mW	
Warmup time	-	<1	-	min	
Stability	-	-	±2	MHz	@ 30 ms integration time

Geometry and connectivity	
Parameter	Value
Size	195 mm × 106 mm × 56 mm
Weight	1 kg
Optical fiber connector	FC/APC, SMF-28
Digital control interface	RJ45
Analog lock indicator	5V TTL, BNC

Environmental and Power Specifications	
Parameter	Value
Operating temperature range	+15 °C to +30 °C
Storage temperature range	-20 °C to +50 °C
Power requirements	100–240 VAC, 50–60 Hz
Operating altitude	0–3000 m