CUSTOM PRODUCT SPECIFICATIONS SHEET

QE95LP-S-MB

SPECIFICATIONS

Models	QE95LP-S-MB
Max Measurable Energy (with Attenuator)	150 J
Max Repetition Frequency	50 Hz

MEASUREMENT CAPABILITY

Spectral Range	0.19 – 20 µm	
Maximum Measurable Energy	Alone	Attenuator
1064 nm, 7 ns, 10 Hz [a]	35 J	150 J
266 nm, 7 ns, 10 Hz	30 J	50 J
Noise Equivalent Energy [b]	50 µJ (200 µJ with attenuator)	
Sensitivity [c, d]	0.5 - 4 V/J	
Max Repetition Frequency	50 Hz	
Maximum Pulse Width (typical)	1000 - 1300 µs *	
Rise Time (typical 0-100%)	1500 - 2000 µs	
Calibration Uncertainty [e]	±3 %	
Repeatability	<0.5 %	

DAMAGE THRESHOLDS

Maximum Average Power	Alone	Attenuator
All Wavelengths	15 W	50 W
Maximum Energy Density	Alone	Attenuator
1064 nm, 7 ns, single shot	0.6 J/cm²	16 J/cm²
1064 nm, 7 ns, 10 Hz	0.6 J/cm²	8 J/cm²
532 nm, 7 ns, 10 Hz	0.6 J/cm²	6 J/cm²
266 nm, 7 ns, 10 Hz	0.5 J/cm²	1 J/cm²
Maximum Average Power Density	Alone	Attenuator
All Wavelengths	10 W/cm²	600 W/cm²

PHYSICAL CHARACTERISTICS

Effective Aperture (with Attenuator)	95 mm ∅ (90 mm ∅)
Absorber	 Multi-Band
Dimensions	120 mm ∅ x 14D mm
Weight	TBD

a. Increasing pulse width increases the maximum measurable energy.
b. Nominal value, actual value depends on electrical noise in the measurement system.
c. Load: 1 MΩ and ≤ 130 pF.
d. Maximum output voltage = sensitivity x maximum energy.
e. Excludes non-linearities.

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