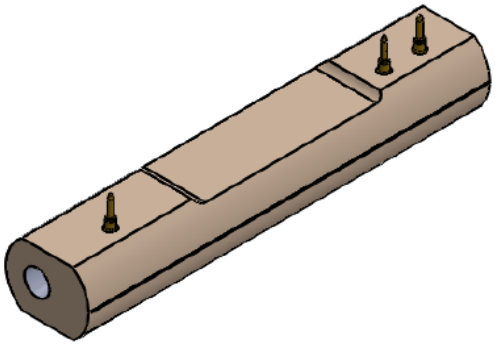
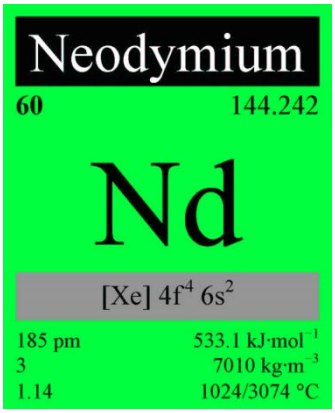
MK-367 Resonator

Permanently Aligned Q-Switched Resonator
6 MW, 25mJ, 4ns, 1.06µm

MegaWatt Lasers is pleased to announce the development of a 25 mJ passively Q-switched Nd:YAG resonator capable of producing over 6 MW at $\frac{1}{3}$ Hz.





Specifications

Parameter	Value
Wavelength	1.064 µm
Pulse Energy:	25 mJ
Repetition Rate:	1/3 Hz (passive cooling)
Pulse Width:	4 ns
Raw Beam Diameter:	3 mm
Beam Divergence:	90% less than 1 mrad full angle
Output Stability:	Less than +/- 10%
Beam Mode:	Low order
Required Input Energy:	6 J
Trigger Input:	10 KV, 1 µs pulse to ionize flashlamp
Size:	10 cm x 2.1 cm (L x Diameter)
Weight:	58 g
Lifetime:	> 300, 000 shots

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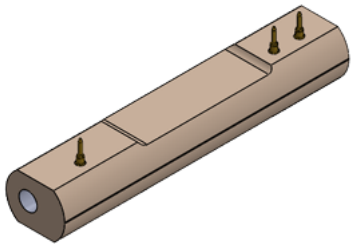
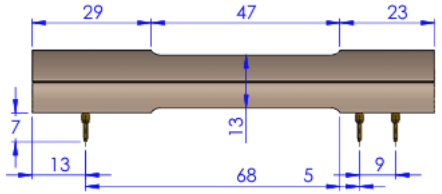
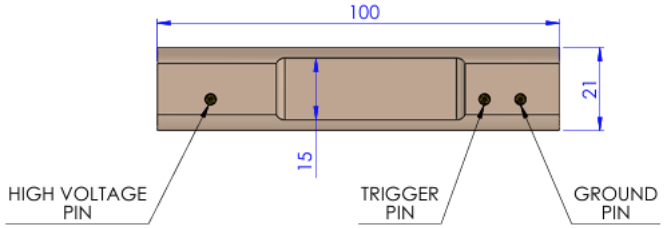
REV	DATE	DESCRIPTION

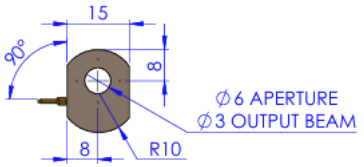




LASER OUTPUT BEAM
EXITS THIS END

BEAM DIRECTION





NOTES:
1. Units in mm unless noted.

DRAWN BY CRH		MegaWatt Lasers			
		P. O. Box 24190 Hilton Head Island, SC 29925			
CHECKED BMH	TOLERANCES X ±0.5, X.X ±0.1, X.XX ±0.05	MK367 LASER OUTLINE			
APPROVED CRH		SIZE C	CAGE CODE 1HVC0	DRAWING NO. 1738	REV OR
		SCALE NTS	DATE 22-JANUARY-2024		SHEET 1 OF 1