**GRM RESONATOR DESIGN**

**PLEASE FILL IN THE FORM AS COMPLETELY AS POSSIBLE**

**RESONATOR**

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| 1. **Optimal Feedback, %**
 |
| 1. **Loss, OC area (other than output coupling), %**
 |
| 1. **Loss, HR area**
 |
| 1. **Refraction index, geometrical resonator length, positions of optical components, other than laser rod**
 |
| 1. **Current R1, R2 (cc-concave; cx-convex), if applicable**
 |
| 1. **Current Lc, L2; if applicable**
 |
| 1. **Desired Configuration (stable/unstable)**
 |
| 1. **Desired Resonator Length Lc (min/max)**
 |
| 1. **Desired L2**
 |
| 1. **Beam Profile to Be Optimized for Near Field/Far Field, etc.)**
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**GAIN MEDIUM (Laser Rod)**

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| 1. **Material**
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| 1. **Operational Wavelength**
 |
| 1. **Index of Refraction (if applicable)**
 |
| 1. **Loss Coefficient, cm-1 (if applicable)**
 |
| 1. **Single-Pass Unsaturated Gain G0=exp(g0Lg)=**
 |
| 1. **Thermal Lens (dioptre), if applicable**
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| 1. **Laser Rod Geometry: Cylindrical\_\_\_\_; Rectangular\_\_\_\_\_; Slab\_\_\_\_\_\_**
 |

**OPERATING REGIME.**

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| 1. **Type: CW, Pulsed, Free-Running, Q-switched, etc.**
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| 1. **Pump Source: Flashlamp, diode, etc.**
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| 1. **Pump Power, Energy (W, J)**
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| 1. **Pulse Duration**
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| 1. **Desired Output Power, Energy (W, J)**
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**GRM SPECIFICATIONS:**

**CONTACT INFORMATION:**

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| **NAME: POSITION:**  |
| **COMPANY:** |
| **ADDRESS:** |
| **CITY: STATE: POSTAL CODE: COUNTRY:**  |
| **TEL.: FAX:** |
| **E-MAIL: WEBSITE:** |