

RB *Plus* YLF Series



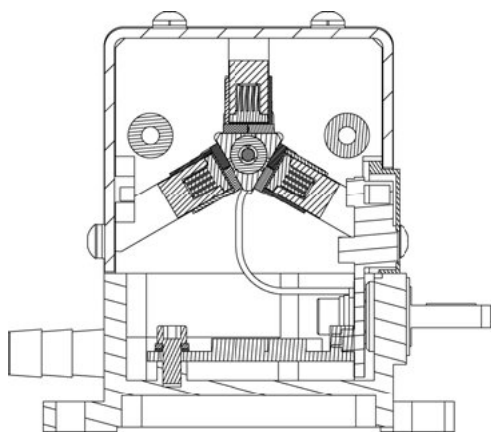
Product Overview

DPSS Nd:YLF Laser Modules

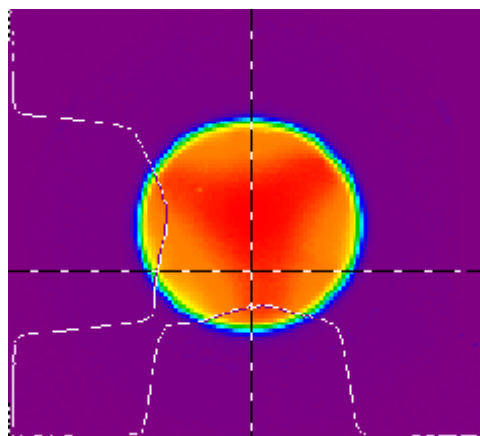
Product Definition

The RB Plus YLF series of pump heads follows after the proven design of the RB Plus YAG pump modules. It incorporates the improvements and advantages of the RB Plus over the RB series modules. There are three versions of the RB Plus YLF modules available to meet the needs of different power level requirements. It is the ideal OEM building block for the development or production of new state of the art laser systems. The RB Plus Series is a highly reliable module. It is extremely compact, rugged, and efficient.

Pump Symmetry

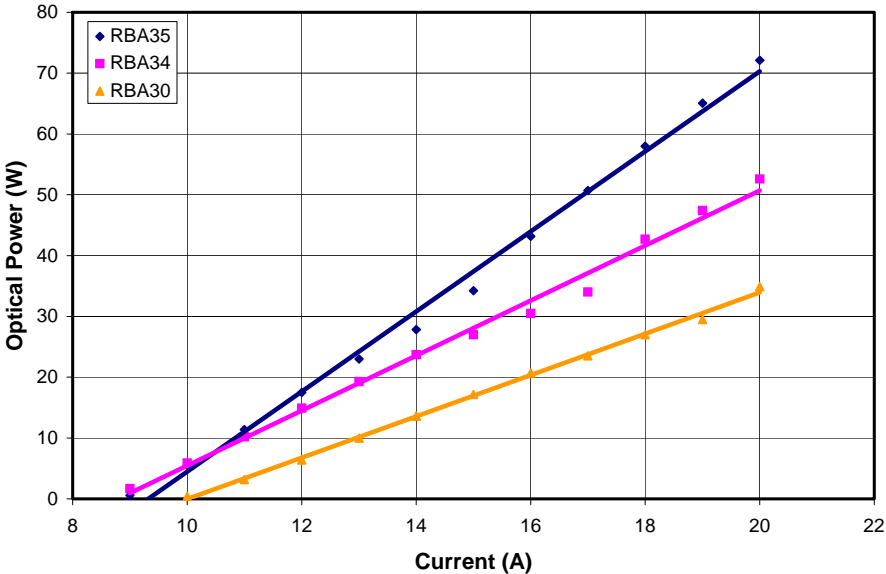


Relay Image of Fluorescence



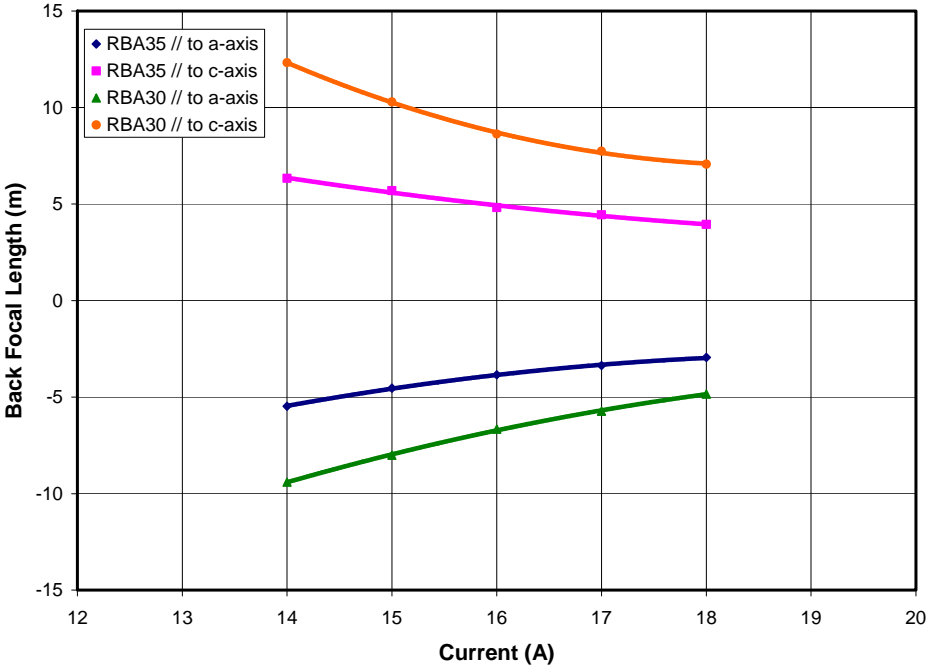
3 mm x 73 mm rod, 0.9% doped Nd:YLF

RBA YLF CW Power 165mm Long Cavity, 80% Flat OC, 0.75mCC HR



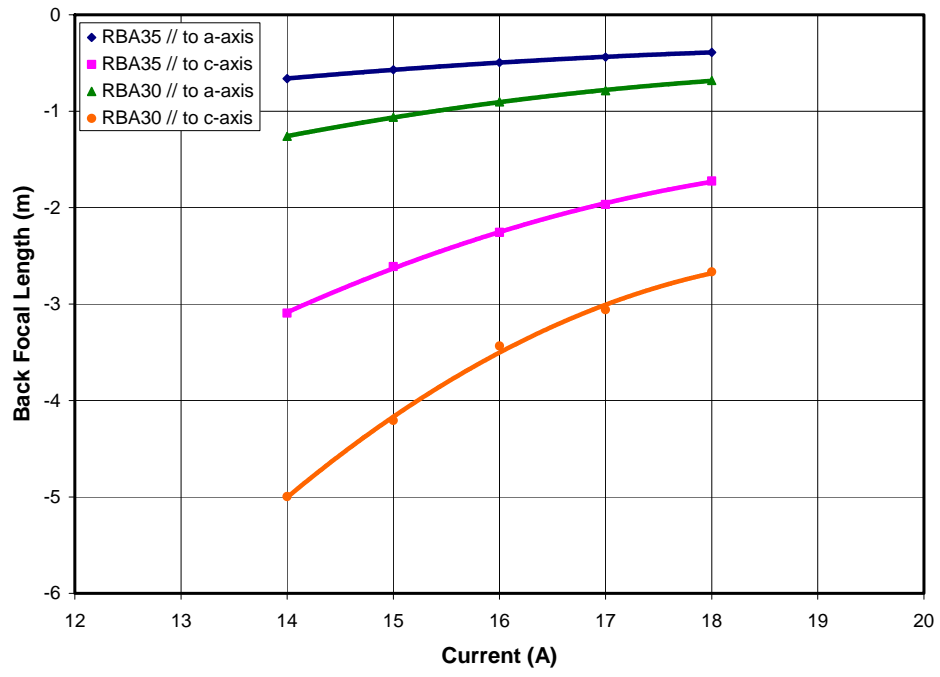
Note: All curves are typical beginning of life performance curves.

RBA YLF Thermal Lensing Source light polarized on a-axis



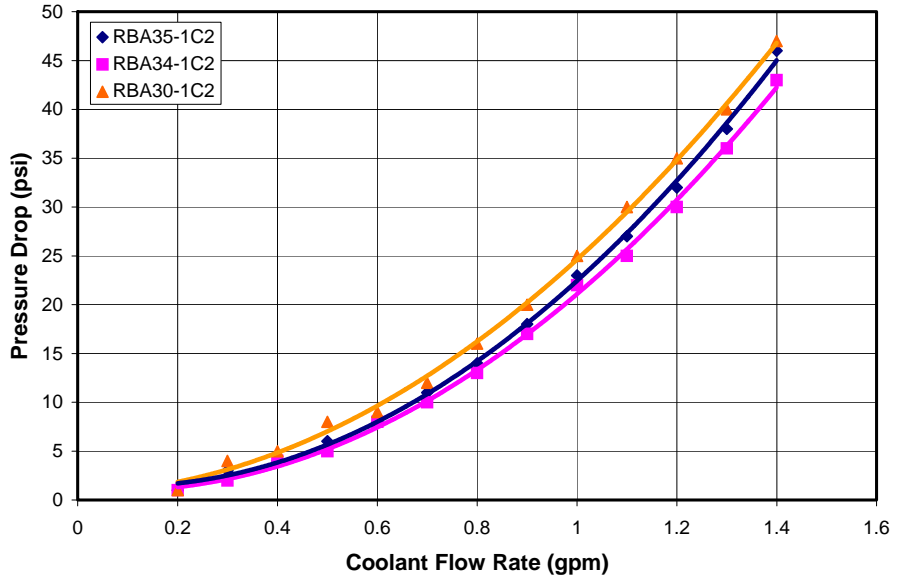
Note: All curves are typical beginning of life performance curves. Data obtained with a Shack Hartmann wavefront sensor.

RBA YLF Thermal Lensing
 Source light polarized on c-axis

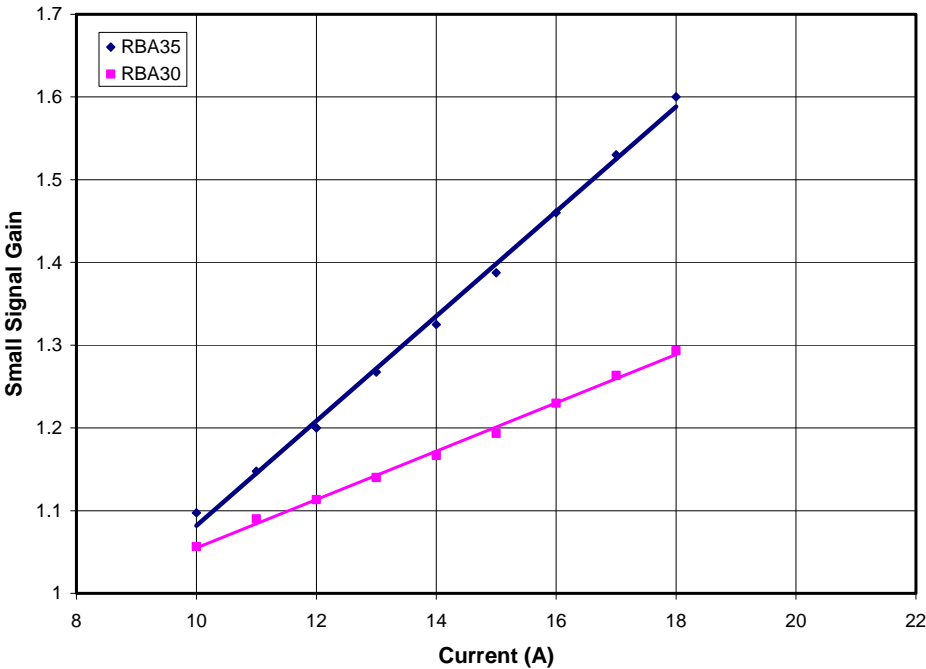


Note: All curves are typical beginning of life performance curves. Data obtained with a Shack Hartmann wavefront sensor.

RBA Plus Flow Rate vs. Pressure Drop



RBA YLF Small Signal Gain
1053 nm



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