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Integrated Fine Matchers Added to ERI CL Series Liquid Cooled UHF RF Loads

Chandler, Indiana – April 1, 2019 – Electronics Research, Inc. introduced its new CL Series liquid cooled RF loads at NABSHOW2018. New for this year is the addition of a new model, which adds an integrated UHF Fine Matcher for all sizes available for this product family. These models also include an integrated adjustable directional coupler at the load input as well. The loads are available in 3-1/8-inch (Model CL313), 4-1/16-inch (Model CL413) or 6-1/8-inch (Model CL613) swivel flange, female inputs. This family of liquid cooled UHF coaxial loads offer a proven design for handling high RF power at low cost. The loads employ a solution of antifreeze and water as both coolant and resistive material. The power dissipated by the load heats the solution and is removed by the constant flow. The loads are 50-inches in length, including the fine matcher, to save space and are constructed from Aluminum and Stainless Steel and are very light weight, the 6-1/8-inch load weighs less than 25 pounds.

Other models in this product family include the models CL311, 3-1/8-inch; CL411, 4-1/16-inch; and CL611, 6-1/8-inch are the basic load designs. The models CL312, CL412, and CL612 include an integrated, externally terminated, adjustable directional coupler at the load input.

These products are all currently in production and availability for new orders is generally less than 30 days.

For more information contact ERI at +1 (812) 925-6000 or visit the ERI web site www.eriinc.com.

About Electronics Research, Inc.

For more than 75 years, ERI has served the broadcast industry with products and services of the highest quality and dependability. Our dedicated staff of engineers, designers, fabricators, project managers, and installers deliver products to meet all of your broadcast transmission system needs, both RF and structural. We take pride in contributing to your success by offering the best broadcast antennas, filters and combiners, transmission line, and towers.

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Photo Caption: ERI Model CL313 (top) and CL613 Liquid Cooled RF Loads with integrated adjustable directional coupler and adjustable fine matcher. Shown installed in a 50 kW UHF RF System.



This photo can be downloaded in high resolution from [CL313_CL613_Photo](#) [0.385 MB].

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