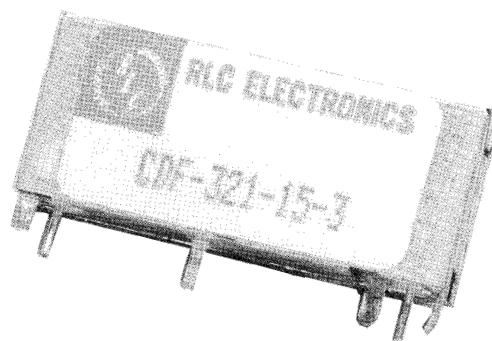


# Custom Products:

RLC Electronics, Inc. is dedicated to servicing customer needs for non-standard package configurations and circuit modifications to optimize performance in specified frequency ranges. We maintain a dedicated prototype team to provide the most responsive delivery performance in our industry. With over thirty-five years of engineering and production experience, our proven design capabilities also include:

## Ceramic Filters

Ceramic dielectric resonator filters are available in the 300 to 2000MHz frequency range with 3dB bandwidths of 0.7 to 12% of the center frequency. These units are small in size and offer low loss and temperature stability. Standard products feature two to seven sections and are available in SMA connectorized, surface mount, or PC mount configurations. Ceramic filters are quite inexpensive to manufacture and could provide a cost-effective approach to particular applications.

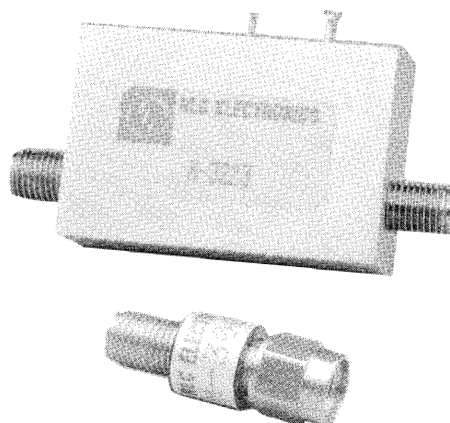


## Bias Tees/DC Blocks

Bias Tees are used to inject a DC current or voltage into an RF circuit without affecting the flow of RF through the main transmission path. Input DC current can handle up to 500mA without difficulty.

DC Blocks are used to keep low frequency noise or DC signals out of RF circuits. DC Blocks can be supplied with either the inner conductor blocked, the outer conductor blocked, or both.

Typical applications include biasing amplifiers, DC return, DC blocking, as well as other various digital and analog uses.



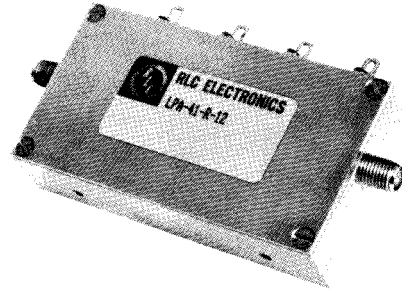
## RLC ELECTRONICS, INC.

83 Radio Circle, Mount Kisco, New York 10549 • Telephone: 914-241-1334 • Fax: 914-241-1753  
e-mail: [sales@rlcelectronics.com](mailto:sales@rlcelectronics.com) • [www.rlcelectronics.com](http://www.rlcelectronics.com)



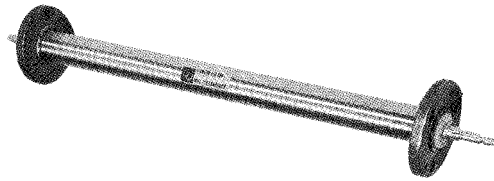
## Programmable Step Attenuator - LPA Series

These attenuators are binary Programmable Step Attenuators designed to operate with low control current. The units offer small size and long life, while requiring only 400 milliwatts to switch in each section. Typical units can be supplied with attenuation range of 0 to 15dB in 1dB steps or 0 to 70dB in 10dB steps.



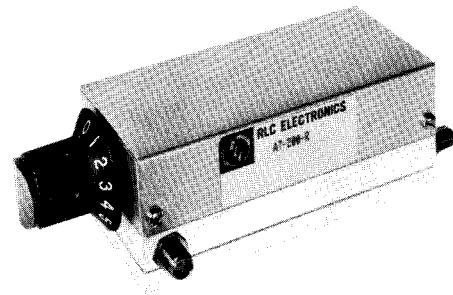
## High Power Low Pass Filters

High Power Coaxial Low Pass Filters are designed for high power systems in the frequency range of 30 to 2000MHz. They are conservatively designed to handle their rated power under extreme temperature and altitude environmental conditions. Extremely low VSWR and minimal pass band insertion loss is maintained through the pass band of the filters. Average power of 1kw, 2.5kw and 5kw can be designed to meet customer specifications.



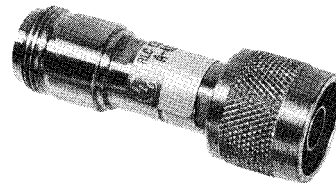
## Precision Step Attenuators AT Series

These Precision Step Attenuators operate over the frequency range of DC to 1.5GHz. Typical attenuation ranges are from 0 to 10dB in 1dB steps, 0 to 109dB in 1dB steps, or 0 to 120dB in 10dB steps. High accuracy and low VSWR are assured by the utilization of well-matched resistive elements in a precision housing. RFI shielding is used to insure optimum operation over the entire frequency range. Units are supplied with knobs calibrated for nominal attenuation steps.



## High Power Fixed Coaxial Attenuators

High Power Fixed Coaxial Attenuators can handle powers up to 35 watts from DC to 4GHz. Attenuation values above 10dB are unidirectional with the input normally on the male connector. Since these units are designed using distributed attenuator elements, they are extremely short. Special values may be ordered up to 33dB, in 1dB increments.



Specials requiring closer tolerances, different frequency ranges, special connectors, different materials, finishes, etc., can be furnished upon request. Specifications subject to change without notice.



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83 Radio Circle, Mount Kisco, New York 10549 • Telephone: 914-241-1334 • Fax: 914-241-1753  
e-mail: sales@rlcelectronics.com • www.rlcelectronics.com