New PolyPhaser RF Band Pass Filters Block Radio Interference in PTC Rail Applications

*PolyPhaser today expanded its RRF Series of band pass filters engineered to function between 219.5 to 222 MHz frequencies for Positive Train Control (PTC) communications.*

Hayden, ID (PRWEB) October 09, 2017 -- PolyPhaser today expanded its RRF Series of band pass filters engineered to function between 219.5 to 222 MHz frequencies for Positive Train Control (PTC) communications. The new RRF-ITC-219-NFF filter reduces interference issues by blocking unwanted signals due to co-location. The filter also incorporates >60dB of attenuation at 88Mhz – 108Mhz, 160-162Mhz, 210-216Mhz and 452-458Mhz.

Engineers at PolyPhaser worked closely with U.S. railroad operators to identify key requirements for the RRF Series, and developed the products to address specific issues with interoperability.

“Safety is the number one concern in rail operations, and the RRF Series filters help to eliminate communication issues that can stem from co-located radio signals,” said Robert Cid, Global Product Manager for PolyPhaser. “PolyPhaser’s latest technology platform addresses critical concerns for the rail operator’s wireless systems.”

The new RRF filters were tested to meet or exceed key industry standards for shock, vibration, temperature and filtering. The RRF-ITC-219-NFF joins two additional PolyPhaser RRF Series filters engineered for frequencies utilized in PTC applications in the Northeast Corridor of the United States.

Key specifications include:
- Two-port design with N-Type female connectors
- Passband between 219.5 to 222 MHz frequencies
- Tested to IP 54 and AAR Standards, Section K Part V, S-9401

RRF-ITC-219-NFF and other PTC band pass filters are available today. For more information, visit PolyPhaser.com.

About PolyPhaser
Part of the Infinite Electronics family of brands, PolyPhaser leads the market with patented RF protection solutions for communications systems. Through innovative RF engineering and manufacturing capabilities, PolyPhaser provides protection technology that virtually assures uninterrupted communications flow of data and information through global networks.

About Infinite Electronics
Based in Irvine, Calif., Infinite Electronics offers a broad range of RF components, assemblies and wired/wireless connectivity solutions, serving the aerospace, defense, industrial, government, consumer electronics, rail, instrumentation, medical and telecommunications markets.

Operating under the Pasternack, Fairview Microwave, L-com, MilesTek, KP Performance Antenna, Aiconics, Kaelus, PolyPhaser, Transtector Systems and RadioWaves brands, Infinite Electronics serves a global
engineering customer base with deep technical expertise and one of the broadest inventories of products available for immediate shipment. For more information, visit www.infiniteelectronics.com.
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