RFI Noise Filters For Terminal Applications

Schaffner EMC has introduces 26 single-phase chassis-mounting RFI noise filters. The FN series of filters can be applied to a wide range of industrial and commercial systems, and to digital equipment with RFI emission problems such as industrial motors, controllers, pollution monitors, scales, automotive test equipment, commercial communications systems, processing systems, robotic systems, and audio/video recording systems. The filters are ideal for engineers responsible for product design, testing, process control, and safety.

Mounting ears on the front of the filter housing accommodate common chassis-mounting applications and allow the filters to be rotated for installation in restricted spaces. The filters are agency approved, and the terminal blocks and studs are configured for industry-standard U.S. panels and mounting chassis. This facilitates their replacement of existing filters.

The FN 2310 family includes four general- purpose filters. Optimized for attenuation and volume, they are available in current ratings of 3, 6, and 10 A. They deliver high common and differential mode attenuation and low leakage.

The four-filter FN 2320 family is suitable for power supplies, motor drives, and DC/DC applications. They employ independent differential mode chokes and deliver good broadband attenuation and low leakage. They are available with current ratings of 3, 6, 10, and 20 A.

The FN 2340 family includes six general purpose filters. Available in current ratings of 2, 3, 5, 10, and 20 A, they deliver improved differential mode performance and optimized attenuation and volume.

The four filter FN 2350 family is similar to the FN 2340 filters, but they feature an additional stage for higher attenuation. Also designed for general purpose filtering requirements, they are available in current ratings of 2, 3, 5, and 10 A.

The four-filter FN 2360 family is ideal for use with precision instrumentation and motor drives. They feature very high inductance and low y-capacitance values, and are designed to provide high attenuation with low leakage. Available in current rating of 3A and 6 A, they deliver good common and differential mode attenuation and low leakage. All filters are manufactured with UL-rated materials.

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