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Next-Gen UL Class 2/3 PC Mount Split Pack™ Transformers Combine Innovative Design With Price-Performance

TUV Approved For Applications Worldwide

Corona, CA--With its advanced flexible split pack, improved split bobbin design, Class F 155°C insulation system and TUV approval for world-wide use, the next-generation [-C2 Models F and FS PC Mount Split Pack™ Transformers](#) from [Triad Magnetics](#) set a new industry standard in this product category as explained in our new [C2 Web Video](#).

Triad's -C2 Models F and FS PC Mount Split Pack Transformers are the next generation of transformer with rugged construction that meets UL5085 Class 2/3 requirements and includes TUV approval for demanding applications around the globe. Triad's leading-edge bobbin design provides superior electrical performance combined with a new robust printed-circuit board (PCB) pin design for highly reliable mechanical strength and integrity when mounted to the circuit board.

All Triad -C2 Models F and FS PC Mount Split Pack Transformers utilize a Class F insulation system, which is suitable for operating environments up to 155°C and more robust than typical Class B 130°C parts found in similar products. They are high potential (hipot) tested for dielectric withstanding voltage (DWV) strength to 4200V for both single and dual winding configurations, which is a significant improvement from the industry standard 2500V for this type of three-flange bobbin construction.

The -C2 Models F and FS PC Mount Split Pack Transformers are non-concentrically wound, with both the primary windings and the secondary windings placed side-by-side. Unlike the secondary-on-top-of-primary designs common in some transformer designs, the split bobbin winding and low capacitive coupling eliminate costly electrostatic shielding that reduces total installed cost. They are designed with a dual, independent secondary configuration that can also be connected in series or parallel to increase output voltage flexibility.

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The versatile and cost-effective –C2 Models F and FS PC Mount Split Pack Transformers are suitable for a wide variety of PC boards, including computers, industrial controls, power equipment, communication systems and other devices. They operate over a wide range from 1.1 to 56.0 VA. Depending on the configuration selected, the primary is always 115 V, 50/60 Hz, and the secondary in series range is from 10 to 56 V with the parallel from 5 to 28 V.

The –C2 Models F and FS Split Pack Transformers' rectangular package features 6 pins on the single primary and 8 pins on the dual primary. Depending on the model configuration specified, they range in size from 1 1/8-x-1 3/8 inches to 2 3/16-x-2 5/8 inches. The -C2 Models are shipped in anti-static tube packaging that protects the mounting pins during transportation and handling. This protective packaging allows the transformers to be received directly onto the production line, reducing handling and waste costs.

Depending on the specific model selected and the quantity ordered, the –C2 Models F and FS PC Mount Split Pack Transformers are priced starting at \$1.89 each in quantities of 1000 units with delivery from stock to 8 weeks lead time. They are available off-the-shelf from Triad's extensive distributor network. Triad's design engineers also work with customers to create custom products to fit specific applications.

Triad Magnetics

Triad Magnetics is a global leader in the design and manufacture of transformers and inductors for a wide range of applications, including switch mode/high frequency, wall plug-in, power transformers, inductors and audio transformers.

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