



## **Signal's New Super High Efficiency Power Isolation Transformer Series Features 97.5% (Minimum) Efficiency Rating**

### **Chassis-Mount Series Minimizes Power Consumption While Providing Clean Power with Distortion-Free Output**

Inwood, NY, November 18, 2008...Signal Transformer, a subsidiary of Bel Fuse Inc. (NASDAQ: BELFA & BELFB), announces the availability of the SHE (Super High Efficiency) Series of chassis-mount power isolation transformers boasting 97.5% (min.) efficiency. Specifically provided to address the electronics industry's growing demand for parts engineered to reduce power consumption without sacrificing overall system performance, the SHE Series is the latest addition to Signal's extensive portfolio of standard and custom power transformers for worldwide applications. The seven-part series incorporates a UL 1446 Recognized Class H, 180 degree electrical insulation system, and is design compliant with UL 506/UL 5085, CSA C22, VDE 0805/VDE 0550 and IEC/EN 61558-1. The transformers offer continuous power handling from 250VA to 2500VA, and have a 4000 Vrms isolation between the primary and secondaries. Moreover, their winding configuration allows engineers enhanced design flexibility as the same part can be used in 115V or 230V applications.

Signal's Super High Efficiency transformers utilize optimal quality core and conductor materials, making them highly desirable for employment in the widest range of power isolation applications in which clean, efficient use of power is required. They are the preferred choice in medical and dental electronics, information technology systems, industrial machinery, lab equipment, household appliances, and in both consumer and commercial lighting systems.

Offering operational voltages of 115V, 230V and 100-115/215-230V, the series features superior regulation with a maximum of 2.5% voltage drop, and maximum temperature rise of 60 degrees C. A full-width, solid-copper electrostatic shield between primary and secondary is arranged to minimize interwinding capacitance. Transformers may be ordered in seven VA ratings from 250VA to 2500VA, with dimensional profiles ranging from 5.4" (L) x 4.0" (W) x 4.75" (H) to 7.7" (L) x 7.0" (W) x 6.63" (H). Weights range from 11.75 lbs. to 56.54 lbs. Incorporated connections are IP-20 rated touch-safe terminals offering 3/16", 1/4" quick-connect terminals, and binding clamps with Pan Head Phillips fasteners. Custom orders are readily accommodated. To learn more about Signal's SHE Series of power isolation transformers, visit [www.signaltransformer.com/Data/Datasheets/SHE.pdf](http://www.signaltransformer.com/Data/Datasheets/SHE.pdf)

While firm pricing is determined according to voltage and customers' specifications, average per piece prices for SHE Series power isolation transformers range from \$139.02 to \$495.98 (relative to VA size) in quantities of 25. Volume discounts are offered. Standard delivery is from stock to 7 weeks.

#### About Bel

Bel ([www.belfuse.com](http://www.belfuse.com)) and its subsidiaries, including Signal Transformer, are primarily engaged in the design, manufacture, and sale of products used in networking, telecommunications, high-speed data transmission, and consumer electronics. Products include magnetics (discrete components, power transformers and MagJack® connectors with integrated magnetics), modules (DC/DC converters, integrated analog front-end modules, custom designs), circuit protection (miniature, micro and surface mount fuses) and interconnect devices (passive jacks, plugs and cable assemblies). The Company operates facilities around the world

*Except for historical information contained in this news release, the matters discussed (including Signal Transformer's SHE Series of power isolation transformers) are forward looking statements that involve risks and uncertainties. Among the factors that could cause actual results to differ materially are the following: the effect of business and economic conditions, the impact of*

*competitive products and pricing; capacity and supply constraints or difficulties; product development, commercializing or technological difficulties; the regulatory and trade environment; and the risk factors reported from time to time*

###

Contact:

Bel Fuse Inc.  
Colin Dunn, Vice President  
201-432-0463  
[ir@BelFuse.com](mailto:ir@BelFuse.com)

or

Investor Contact:  
Neil Berkman Associates  
310-826-5051

[info@berkmanassociates.com](mailto:info@berkmanassociates.com)