

Worldwide Presence  
Engineering Expertise  
Leading Edge Technology  
Award Winning Support  
Our Commitment to Quality



## Volt-Master Distribution Transformers At-A-Glance

Your one source for wire wound magnetic solutions

600V Class-Dry Type-Isolation

Single & Three Phase-60Hz

Open Frame Air Cooled

Enclosed Ventilated

UL/CSA Compliant

NEMA-ANSI-IEEE

Energy Efficient



+1 866.239. 5777  
[belfuse.com/signal](http://belfuse.com/signal)

# Signal Transformer introduces the “Volt-Master” line of Single and Three Phase General Purpose Isolation, Low Voltage, Dry-Type, K-1 Factor Distribution Transformers for Linear Loads.

All “Volt Master” parts are UL and CSA compliant, designed, built and tested in accordance with applicable NEMA, ANSI, IEEE and NEC standards. “Volt-Master” durable, rugged, energy efficient products are available in both open frame/self cooled or enclosed/ventilated versions. These robust units are offered in a wide variety of input-output voltage combinations wound in a DELTA Input/WYE Output configuration for three phase applications. They exhibit features such as:

Low Temperature Rise	Robust Electrostatic Shielding
Quiet Performance	Copper Conductor & Terminals
High Efficiency	Powder Coated Steel Enclosures
Reduced No Load Losses	Vacuum Pressure Impregnation
Complete Ground Protection	Class R Insulation System
Smallest Possible Footprint	Grain Oriented Silicon Steel Core

The “**Volt-Master**” series is rated for **60Hz @ 600V** maximum and is divided into two categories:

- \* **Small...** Three Phase; ranging from **350VA** to **12KVA** rated power
- \* **Large...** Single and Three phase from **15KVA** to **112.5KVA** rated power

Large Volt-Masters can be also designed for **Energy Savings**, meeting **NEMA TP1-2002**, **DOE CSL1-2010** and **Energy Star**, federally mandated minimum efficiency levels.

All transformers within the “**Volt-Master**” family are available in **NEMA Type 1** and **2** ventilated enclosures for indoor use or in NEMA-3 for outdoor applications. To learn more visit [belfuse.com/signal](http://belfuse.com/signal).



Signal Transformer products are utilized in all segments of the electrical/electronics spectrum. Contact us with your custom designs or product modification needs.

### Standard Features:

- NEMA 1, 2 and 3 enclosure configurations available.
- FCAN & FCBN 2.5%-5% primary taps for source voltage variations.
- Minimum BIL of 10KV for 600V-Class windings.
- Continuous full duty operation.
- Short term overload capacity as per ANSI C57.96-01.250.
- DIN rail track affixed to core for fuse, breaker and sensor installations.
- Built and Tested per applicable NEMA/ANSI/IEEE/UL/CSA/OSHA/NEC standards.
- Compliant to ARRA/BAA/TAA/SPPA 73 P.S.1881.
- MTBF of 20 years as defined by ANSI C57.96 .



### Standard Compliance:

- ANSI/IEEE C57.96, C57.12 and C89.2: Dry type distribution transformers .
- ANSI/NFPA 70: National Electrical Code installation and safety.
- NEMA ST-20: Dry type transformers general applications and sound levels.
- NEMA TP-1/2/3-2002: Dry type transformers efficiencies, testing and labeling.
- NEMA-250: Enclosures for electrical equipment.
- UL 506: General purpose and specialty transformers.
- UL-1561: General purpose dry type transformers.
- UL-5085-1: Requirements for low voltage transformers.
- CSA-C9/C22.1 No.66.1/47: Dry type, air cooled and specialty transformers.



It is our engineering expertise that set's us apart - Signal embraces the entire wire-wound components spectrum. Historically known for producing reliable linear transformers, recent years have seen Signal expand its offerings to meet all the requirements of today's sophisticated magnetic applications.

Signal Transformer maintains an in-house ISO 17025 certified laboratory that enables us to participate in CSA's Supervised Manufacturing Testing & Certification (SMTC) program.

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## Local Support

Our regional sales offices are ready to provide expert application and sales support.

In addition, our extensive network of manufacturers' representatives and distributors bring our products to you.

Please call for locations of sales offices near you or visit our website at [belfuse.com/signal](http://belfuse.com/signal)

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