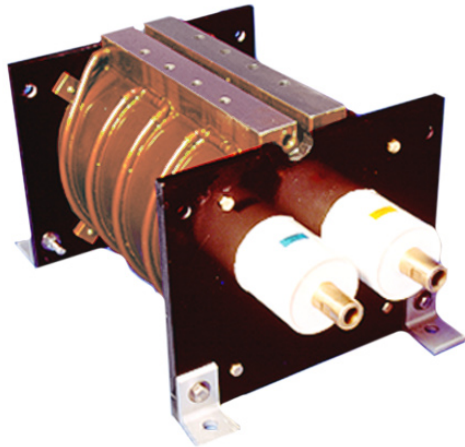


JACKSON[®] TRANSFORMER CO.

Quality Magnetic Products

the R.F. Transformer



The **JACKSON[®] R.F. Transformer** is an air core device designed without core material and is normally referred to as a R.F. Current Transformer. The **JACKSON[®] R.F. Transformer** is typically used in vacuum tube power supplies.

The input voltage to the **JACKSON[®] R.F. Transformer** is usually 10,000 volts or higher.

The primary of the transformer is usually wound with round tubing while the secondary consists of a solid copper sheet, wrapping and shielding the primary inside the secondary.

Generally the primary winding is encapsulated in RTV material, which gives high dielectric strength and also protects it from the environment.

Clean room environment is highly recommended.

The critical element in the design is to obtain the highest current transfer ratio between the primary to secondary I_1 / I_2 . And $K = \sqrt{1 - (L_L / L_O)}$.

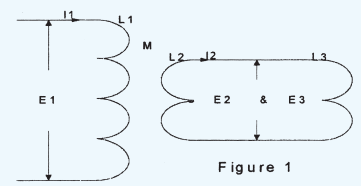
Where L_L = the leakage inductance referred to the primary

L_O - the open circuit inductance of the transformer

The greatest current transfer occurs when $L_3 / L_2 = \sqrt{1 - K^2}$

The kVA transfer is greater than $L_2 = L_3$

Available in Metric or Standard U.S. Threads.



For a high quality customized **R.F. Transformer** - Specify a **JACKSON[®]**.

WORLD CLASS TRANSFORMERS FOR WORLD CLASS CUSTOMERS

Reliable | Efficient | Economical | Compact

JACKSON[®] Magnetic Products are made to order and made to last!

At **JACKSON[®]** we work together with you, as a team,

to design a product that meets **your specific** requirements.

JACKSON[®] Transformer Co. - Quality magnetic products you deserve!

JACKSON[®] Transformer Company provides our customers with a complete **Specification Sheet** upon request.

JACKSON[®] Quality Products are not only a wise choice, but the right choice.

WE MANUFACTURE SOLUTIONS

ALL OF OUR MAGNETIC PRODUCTS ARE DESIGNED TO MEET YOUR SPECIFIC REQUIREMENTS.

For further information, contact our Engineering Department.