

T Series

RFS wideband radio frequency transformers are designed to match a variety of transmission line impedances over a frequency range from 2 to 30 MHz.

For detailed model specifications and ordering information please contact RFS.

- Conservatively rated and field proven in many antenna systems, these high quality transformers offer superior performance and long term reliability.
- Wideband RF transformers are the most efficient means of transferring power from a balanced feeder to an unbalanced feeder system, or vice versa. They can be used to connect coaxial feeder systems to balanced antenna inputs, or to connect coaxial outputs of transmitters to more efficient balanced open wire feeders, with significant economies on long runs.
- Series TB250, T250, T1000 and T10K balun transformers are available with 300 ohm or 600 ohm balanced impedance. Please specify when ordering.

TB250 Series

- Designed for installation at the center of a wire antenna. This transformer will stand continuous wire tensions up to 136kg maximum. Coaxial connector load is limited to 4.5kg.

T250 Series

- For internal or external installation, these transformers are supplied in an aluminum housing for wall, or pole mounting. Gaseous Discharge Tubes are fitted for lightning protection.

T1000 Series

- For internal or external installation, these transformers are supplied in an aluminum housing for wall, or pole mounting. Adjustable spark gaps are fitted for lightning protection.

T1000T Series

- Designed for rugged external environments, ideal for inclusion in tactical and transportable antenna systems. The transformers are housed in extremely strong fiberglass bodies, hermetically sealed with low loss resin. The input connector is protected within the specially formed body and the transformer is grounded as an added protection against static and lightning induced EMF.

T10K - T40K Series

- The transformer housing is a sealed weatherproof aluminum tank which may be mounted on a pole or vertical surface. The transformer core and winding is cooled by immersion in transformer oil, which transfers heat to the case by convection and then to the external air. A pressure relief valve is provided to prevent excessive internal oil pressures at high temperatures. Heavy duty ceramic (alumina for Model T40K) bushes are provided for the balanced terminals. Spark gaps are provided for lightning protection.



TB250



T1000



T10K - T40K